

भारत का राजपत्र
The Gazette of India
प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 47] नई दिल्ली, शनिवार, नवम्बर 25, 1989, (अग्रहणा 4, 1911)
No. 47] NEW DELHI, SATURDAY, NOVEMBER 25, 1989 (AGRAHAYANA 4, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separat compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the on 2th November 1989

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Telegraphic address "PATOFFICE".

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Madras-600 002

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nadu, and the Union Territories of Pondicherry, Laccadive,
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
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234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents
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पेटेंट कार्यालय

एकस्व तथा अभिकल

कलकत्ता, दिनांक 11 नवम्बर, 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोवा, दमन तथा दीव
एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,

61, वालाजाह, रोड,

मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिकाय तथा अमिननिविष द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

तार पता—“पेटेंट्स” ।

भारत का अवशिष्ट क्षेत्र ।

पेटेंट अभिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदनपत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो मकस की जायेगी
अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश
अथवा डाक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है; उस
स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक
ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-II, Section 2, dated 14th
October, 1989 regarding Complete Specification No. 165428,
include the name of following inventors after serial No. 13

14. IREK NASYROVICH GUBAIDULLIN,
15. ALEXANDR NIKITOVICH GLAZOV,
16. ERNST YAKOVLEVICH SIDELKOVSKY,
17. VALERY VIKTOROVICH SKRIPCHENKO,
18. FELIX STEFANOVICH RAKOVSKY,
19. VYACHESLAV NIKOLAEVICH ZELENOV,
20. BORIS IVANOVICH TOPYCHKANOV,
21. VLADIMIR GEORGIEVICH VINOKUROV,
22. JURY PETROVICH BELY,
23. BORIS MAXOVICH GERMAN,
24. VALERY VASILIEVICH GOLDAEV,
25. VLADIMIR IVANOVICH BORODIN,
26. GARRI IVANOVICH FUGMAN,
27. OLEG ALEXANDROVICH CHARUSHNIKOV,
28. JURY GRIGORIEVICH GUREVICH,
29. NAUM RUBINOVICH FRACE,
30. VALENTIN SERGEEVICH NOVIKOV.

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 19th October, 1989

- 865/Cal/89. Ethicon, Inc. Improved retainer for surgical sutures.
- 866/Cal/89. (1) Richard R. Tidwell, (2) J. Dieter Geratz, (3) James Edwin Hall, (4) Dennis E. Kyle. Method for the treatment and prophylaxis of pneumocystis carinii pneumonia and other diseases and compounds and formulations for use in said methods.
- 867/Cal/89. Vsesojuzny Nauchno-Issledovatel'sky, Proektno-konstruktorsky I Tekhnologicheskyy Institut Elektro Termicheskogo Oborudovaniya (Vnileto). Induction-Palasma installation. [Divisional date 13th August, 1986].
- 868/Cal/89. Kerr-McGee Chemical Corporation. Chemically inert pigmentary zinc oxides.
- 869/Cal/89. The Babcock & Wilcox Company. Impingement type solids collector discharge restrictor.
- 870/Cal/89. A.E. Bishop & Associates Pty. Ltd. Rotary slot cutting tools and inserts therefor. (Convention date 20th October, 1988) (No. PJ 1055) (Australia).

871/Cal/89. Timex Corporation. Stepping motor rotor assembly for an electronic timepiece.

872/Cal/89. Victor Toso. Back support.

The 20th October, 1989

873/Cal/89. Matsushita Electric Industrial Co. Ltd. Cassette holder device for tape recorder.

874/Cal/89. E.I. Du Pont De Nemours and Company. Bicomponent binder fibers.

The 23rd October, 1989

875/Cal/89. Bertek, Inc. Thin film applicator.

876/Cal/89. (1) Walter Eirich, (2) Paul Eirich, (3) Hubert Eirich. Agitator ball mill.

877/Cal/89. Engelhard Corporation. Stable color dispersions, their preparation and use in ceramic glazes.

878/Cal/89. Kelsey-Hayes Company. Automatic disc brake.

879/Cal/89. Merck Patent Gesellschaft mit beschränkter Haftung. Conductive lamellar pigments.

880/Cal/89. Hoechst Aktiengesellschaft. A process for the preparation of water-soluble azo compounds. (Divisional date 22nd September, 1986).

881/Cal/89. Special Pneumatics Private Limited. Pneumatic blaster.

The 24th October, 1989

882/Cal/89. E.I. Du Pont De Nemours & Company. Improved process for the preparation of 1, 1, 1, 2-tetrafluoroethane.

883/Cal/89. E.I. Du Pont De Nemours & Company. Spent antimony halide catalysts treatment.

884/Cal/89. Krone Aktiengesellschaft. Electro-optical flat display device in particular led area.

885/Cal/89. Mcneil-Ppc, Inc. Absorbant structure having multiple canals.

886/Cal/89. E.I. Du Pont De Nemours and Company. Cleaning of gas jet yarn treatment apparatus.

APPLICATIONS FOR PATENT FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

The 18th September, 1989

833/Del/89. Societe D' Expansion Scientifique Expansia. "Solid phase peptide synthesis". (Convention date 24th September, 1988) (U.K.).

834/Del/89. Kennametal Inc. "Improved tamping blade with improved inserts".

835/Del/89. The Lubrizol Corporation. "A lubricating composition". [Divisional date 25th November, 1986].

836/Del/89. Fosroc International Ltd. "Cement composition". (Convention date 20th September, 1988) (U.K.).

837/Del/89. Centre Stephandis De Recherches Mecaniques Hydromecanique Et Frottement. "An electrical contact element". [Divisional date 16th December, 1986].

838/Del/89. M&T Chemicals Inc. "Uv curable compositions for making tentable solder mask coatings".

The 19th September, 1989

839/Del/89. S. N. Industries, "Pneumatic door closer".

840/Del/89. Exxon Chemical Patents, Inc. "Improved halogenated butyl polymer".

841/Del/89. Imperial Chemical Industries PLC. "Polycyclic dyes". (Convention date 3rd October, 1988) (U.K.).

842/Del/89. Pfizer Inc. "Prodrugs of antiinflammatory 3-acyl-2-oxindole-1-carboxamides".

The 20th September 1989

843/Del/89. British Steel PLC. "Improvements in railways". (Convention date 22nd September, 1988) (U.K.).

844/Del/89. T. J. Gundlach Machine Co., "Auto Tramp removal system".

845/Del/89. Allied-Signal Inc. "High strength polyester yarn for improved fatigue resistance".

846/Del/89. International Business Machines Corporation. "Multilanguage data processing systems". (Convention date 23rd November, 1988) (U.K.).

847/Del/89. Colgate-Palmolive Co., "Combination detergent and soap bar to enhance mildness".

The 21st September, 1989

848/Del/89. Poclain Hydraulics, "Hydraulic mechanism, such as motor or pump, having at least two distinct active cylinder capacities". [Divisional date 14th October, 1986].

849/Del/89. Stemcor Corporation. "A method for producing a refractory fused cast composite layered molding". [Divisional date 21st January, 1987].

The 22nd September, 1989

850/Del/89. Council of Scientific & Industrial Research. "Modified recoverable roof bolt".

851/Del/89. Council of Scientific & Industrial Research. Rope truss system with mechanical tensioning device".

852/Del/89. Council of Scientific & Industrial Research. "Pit prop".

853/Del/89. Council of Scientific & Industrial Research. "Telescopic steel prop with hydraulic setting device".

854/Del/89. Council of Scientific & Industrial Research. "Quick setting steel chock".

855/Del/89. Lyonnaise Industrielle Pharmaceutique. "Method of preparation for [diarylmethoxy alkyl]-pyrrolidines and-piperidines".

856/Del/89. Jiri Dokoupil. "Process and equipment for stretching of leather".

857/Del/89. James Arthur Albert Hickman. "Wired glass". (Convention date 28th September, 1988) (U.K.).

858/Del/89. STC PLC. "Automatic telecommunications systems". (Convention date-30th September, 1988) (U.K.).

The 25th September, 1989

- 859/Del/89. Exxon Chemical Patents Inc, "A supported metallocene-allumoxane catalyst for high pressure polymerization of olefins and a method of preparing and using the same".
- 860/Del/89. Ashland Oil, Inc, "A method for forming a polyol/polyisocyanate coating on a substrate". [Divisional date 23rd February, 1987].
- 861/Del/89. M&T Chemicals Inc, "Polyimide film die attach adhesives".

The 26th September, 1989

- 862/Del/89. Sanjeev Kumar Singh, "Electric shock proof fan".
- 863/Del/89. Exxon Chemical Patents Inc, "Improved organo-al-chloride catalyzed poly-n-butenes process".
- 864/Del/89. Imperial Chemical Industries PLC, "Coating compositions". (Convention date 28th October, 1988) (U.K.).
- 865/Del/89. Exxon Chemical Patents Inc, "Improved AlCl_3 -catalyzed process for preparing poly-n-butenes from mixed butenes".
- 866/Del/89. Voest-alpine Industrieanlagenbau Gesellschaft m.b.h, "Improvements in or relating to a process for the production of molten pig iron and a plant for carrying out the process".

The 27th September, 1989

- 867/Del/89. Gec Plessey Telecommunications Ltd, "Time division switch". (Convention date 25th October, 1988) (U.K.).
- 868/Del/89. Edap International, "Apparatus for the localized destruction of soft structures using negative pressure elastic waves".

The 28th September, 1989

- 869/Del/89. Bethlehem Steel Corporation, "Mobile marine platform and method of installation".

The 29th September, 1989

- 870/Del/89. Pfizer Hospital Products Groups, Inc, "Drainage device".
- 871/Del/89. Colgate Palmolive Co., "Hard translucent high moisture soap bar".
- 872/Del/89. Colgate-Palmolive Co., "Longitudinal support sling".
- 873/Del/89. Laboratorios Del Dr Esteve S.A., "A process for preparing the 2-alkylbenzimidazole derivatives". [Divisional date 20th January, 1987].

APPLICATIONS FOR PATENT FILED AT THE
PATENT OFFICE BRANCH, 61 WALLAJAH ROAD,
MADRAS-600 002

The 3rd October, 1989

- 727/Mas/89. K. A. Joy. J. K.'s Arecanut Peeling Machine.
- 728/Mas/89. Thanumalayaperumal Muthu. Fistra—a fish device.
- 729/Mas/89. Robert Bosch GmbH. Fluid filter.
- 730/Mas/89. Union Carbide Chemicals and Plastics Company Inc. Antimicrobial composition and method of use.

The 4th October, 1989

- 731/Mas/89. Lakshminarayanapuram Gopala Iyer Vaidyanathan. Preparation of water-soluble modified benzoguanamine formal-dehyde condensation products.
- 732/Mas/89. Maschinenfabrik Rieter AG. A nozzle spinning apparatus.
- 733/Mas/89. Stamicarbon B.V. Process for preparing cycloalkanone and/or cycloalkanol.
- 734/Mas/89. New England Biolabs, Inc. A method for producing a restriction enzyme and/or its corresponding modification enzyme. (Divisional to Patent Application No. 128/Mas/86).
- 735/Mas/89. New England Biolabs, Inc. Method of cloning a cytosine-type modification methylase gene. (Divisional to Patent Application No. 128/Mas/86).

The 5th October, 1989

- 736/Mas/89. BASF Lacke + Farbton Aktiengesellschaft. Hotmelt adhesive solutions having a long shelf life.
- 737/Mas/89. Owens Illinois Plastic Product Inc. Applying labels to blow molded articles.
- 738/Mas/89. Pilkington plc. Process and apparatus for coating glass. (October 14, 1988; United Kingdom).
- 739/Mas/89. Maschinenfabrik Rieter AG. A combing machine.

The 6th October 1989

- 740/Mas/89. Societe des Produits Nestle S.A. Production of hydrolysed proteins.

The 11th October, 1989

- 741/Mas/89. BEECHAM GROUP plc. Dentifrice Compositions. (13th October 1988; Great Britain).
- 742/Mas/89. Southern Research Institute. A composition to be orally administered to animals and process for preparing the same. (Divisional to Patent Application No. 10/Mas/88).
- 743/Mas/89. Shell Internationale Research Maatschappij B.V. Process for preparing a dispersant/VI improver. (13th October, 1988; Great Britain).
- 744/Mas/89. Asea Brown Boveri Ltd. Axial Mounting Skewing compensation.

The 12th October, 1989

- 745/Mas/89. Southern Petrochemical Industries Corporation Ltd. A microbiological process for the treatment of effluents containing one or more of the following organic chemicals, namely, propylene glycol, ethylene glycol, propylene oxide for biodegrading the said glycols and oxides.
- 746/Mas/89. Augustine Thompson, Tomy Thompson and Johnnykuty Thompson. A tyre retreading machine.
- 747/Mas/89. Shantilal P. Joshi and Kiritkumar S. Joshi. A device relating to scoring means for bending-semi-rigid, flexible boards, plastics etc. for files containers etc.
- 748/Mas/89. Merlin Gerin. Highly sensitive electromagnetic release.
- 749/Mas/89. Chevron Research Company. Hydrodemetalation and Hydrosulfurization using a catalyst of specified macroporosity.

- 750/Mas/89. CSIR. Foundation raft for astructure.
- 751/Mas/89. Maaschinenfabrik rieter Ag. An apparatus to monitor the pressing force.
- 752/Mas/89. Maaschinenfabrik Rieter AG. An apparatus to compensate the sag of the spool mendrel of a spooling frame.
- 753/Mas/89. Compagnie Generale Des Etablissements Michelin-Michelin and CIR. Antenna for tire monitoring device.
- 754/Mas/89. The English Electric Company of India Limited. An Improved Self-powered instantaneous overvoltage and undervoltage relay.
- 755/Mas/89. The English Electric Company of India Limited. An improved self-powered inverse time overvoltage relay.
- The 13th October, 1989
- 756/Mas/89. M.I. Sulaiman Rowther. Automatic Dish Washing Machine.
- 757/Mas/89. Electroscan Corporation. Improved Electron Detector for use in a Gaseous Environment.
- 758/Mas/89. HIMONT Incorporated. A method of applying a coating to a substrate and use thereof.

OPPOSITION PROCEEDINGS

The opposition as entered by M/s. Consumers Plastics Pvt. Ltd. to the grant of a Patent on application No. 146738 made by Jayantilal Ambulal Gajjar and notified in the Gazette of India, Part III, Section 2 dated 23rd February, 1980 has been allowed and the application for the Patent has been refused.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by HENRY BOOT RAILWAY ENGINEERING LIMITED under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 161934 in their name has been allowed.

PATENTS SEALED

163669 164069 164077 164113 164211 164214 164220
164221 164224 164234 164235 164248 164278 164324
164346 164361 164363 164365 164366 164368 164369
164460 164463 164467 164551.

CAL = 14
DEL = 4
BOM = 4
MAS = 3.

RENEWAL FEES PAID

142368 144171 144561 145540 145640 146221 146293
146755 146976 147903 147951 147952 147953 148059
148170 148201 148203 148388 148569 148603 148667
148698 149314 149426 149470 149581 149704 149883
150171 150310 150780 150830 150980 151231 151734
151768 151779 152083 152091 152157 152461 152480
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155162 155367 155468 155568 155641 156133 156404

156500 156542 156543 156553 156647 156658 156784
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160763 160781 160784 160854 160876 160907 160910
160928 160971 160976 161151 161157 161213 161214
161293 161298 161322 161323 161325 161392 161455
161463 161497 161498 161524 161525 161603 161611
161615 161705 161779 161844 161979 162115 162117
162130 162317 162373 162426 162507 162560 162643
162845 162881 162888 163093 163169 163198 163262
163282 163351 163385 163475 163537 163538 163597
163720 163748 163997 164302.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specification should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूची गत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बूक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांगपत्र के साथ निम्नलिखित सूची में यथा प्रवर्णित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार [(उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है)। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है)] फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

CLASS : 205-G 165581

Int. CLASS : B 29 d 30/00.

READ LOCK DEVICE.

Applicant : THE BUDD COMPANY, OF 3155 WEST BIGDEAVER ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventor : JOHN WILLIAM BUSH.

Application No. 504/Cal/1986 filed July 08, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A bead lock device for use in combination with a pneumatic vehicle tire having a pair of annular beads supported on a wheel rim having outer circumferential flanges, said device comprising :

a plurality of flexible bows, frame means for connecting the bows together to form an annular structure about the circumference of the wheel, a portion of each bow extending in a radially outward direction and opposite ends of each bow being positioned adjacent inner sides of the tire beads, whereby the bows are compressed when the tire is assembled onto the wheel and provide axial forces to press the beads against the respective flanges,

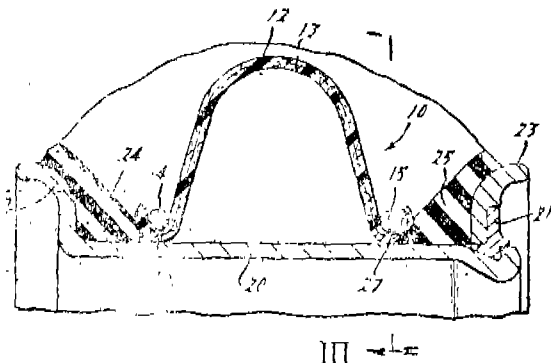


Fig. 2

Compl. specn. 11 pages

Drg. 2 sheets

Int. Cl. : C 07 g 17/00

165582

A PROCESS FOR THE PREPARATION OF ESTERS OF HYALURONIC ACIDS.

Applicant : FIDIA S.P.A., OF VIA PONTE DELLA FABBRICA, 3/A, 35031 ABANO TERME, ITALY.

Inventors : (1) FRANCESCO DELLA VALLE, (2) AURELIO ROMEO.

Application No. 505/Cal/1986 filed July 08, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of esters of hyaluronic acid comprising esterifying in a known manner the carboxylic groups of hyaluronic acid with organic alcohols selected from aliphatic, araliphatic, cycloaliphatic, polycyclic, and heterocyclic series.

Compl. specn. 191 pages

Drg. 1 sheet

CLASS : 32-A₂

165583

Int. Cl. : C 09 b 62/00.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE DYESTUFF.

Applicant : HOECHST AKTIENGESellschaft, D-6230, FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

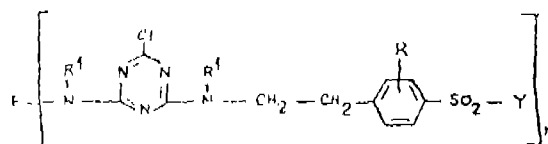
Inventors : (1) HARTMUT SPRINGER, (2) MARCOS SEGAL, (3) MANFRED KUHN.

Application No. 526/Cal/1986 filed July 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A process for the preparation of a water-soluble dyestuff of the general formula (1) of the accompanying drawings,



Formula—(1)

wherein

F is a radical of a dyestuff containing sulfo groups, n is the number 1 or 2,

R¹ is a hydrogen atom or an alkyl group having 1 to 4 carbon atoms,

R is a hydrogen atom or a sulfo group, and

Y is the vinyl group or a group of the formula (2)



in which X represents a substituent which can be eliminated in the form of an anion, in particular by means of an alkali,

which comprises reacting cyanuric chloride in any desired sequence with an equivalent amount of a compound of the general formula (17)

in which F, R¹ and n are defined as above, and with an amino compound of the general formula (18)



Formula 18

in which R¹, R and Y are defined as above, at a temperature between 10 and 60°C and a pH between 1 and 8.

Compl. specn. 68 pages

Drg. 12 sheets

CLASS : 172-C₀, ₀; 172-D₄, ₂

165584

Int. Cl. : D 01 g 23/00; 15/46.

AN APPARATUS FOR AUTOMATICALLY TRANSPORTING AT LEAST ONE FURNISHING MACHINE AND A SLIVER FED SPINNING MACHINE.

Applicant : TRUTZSCHLER GMBH & CO. KG, OF DUVENSTRASSE 82-92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Inventors : (1) MANFRED LANGEN, (2) FERDINAND LEIFELD.

Application No. 576/Cal/1986 filed July 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparatus for automatically transporting at least one can between a sliver furnishing spinning machine and a sliver fed spinning machine, comprising :

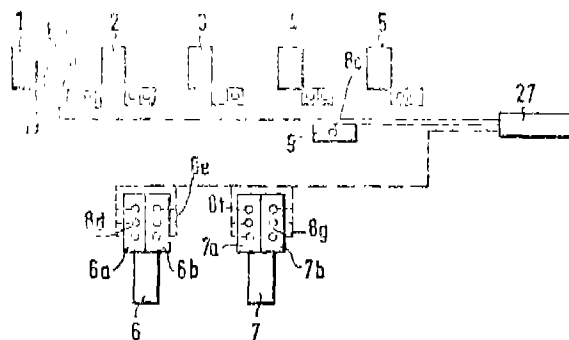
a transporting carriage for transporting the can between said sliver furnishing and sliver fed machines;

first electronic control means connected to said carriage for controlling its operation;

second electronic control means connected to said sliver furnishing machine and to said sliver fed machine for controlling the operation of said machines and for receiving from at least one of said machines condition signals indicative of the operating state of said one machine; and

a central control unit connected to said first and second control means for receiving the condition signals from said second control means and for supplying control signals to said first electronic control means for controlling the transport of the

can between said machines in dependence on the condition signals.



Compl. specn. 12 pages.

Drg. 4 sheets.

CLASS :

165585

Int. Cl. : G 01 m 17/02.

APPARATUS FOR TESTING OPERATING CHARACTERISTICS OF PNEUMATIC TYRES.

Applicants & Inventors : (1) TIMOFEI IVANOVICH SHELOMENTSEV, OF MINSK, LENINSKY PROSPEKT, 91, KV. 71, USSR; (2) VLADIMIR ALEXEEVICH KONSTANTINOV, OF MINSK, ULITS A KAZINTSA, 76, KV. 610, USSR; (3) ALEXANDR NIKOLAEVICH MURASHKO, OF MINSK, ULITS A GORKOGO 143, KV. 50, USSR; (4) FEDOR FEDOROVICH BRATSKY, OF MINSK, ULITS A KUZNECHNAYA, 15, KORPUS 1, KV. 163, USSR; (5) ANATOLY ANTONOVICH GREBENJUK, OF MINSK, ULITS A V. KHORUZHEI, 19, KV. 105, USSR; (6) ARKADY NIKOLAEVICH SHEVCHIK, OF MINSK, PATRIZANSKY PROSPEKT, 46, KV. 39, USSR.

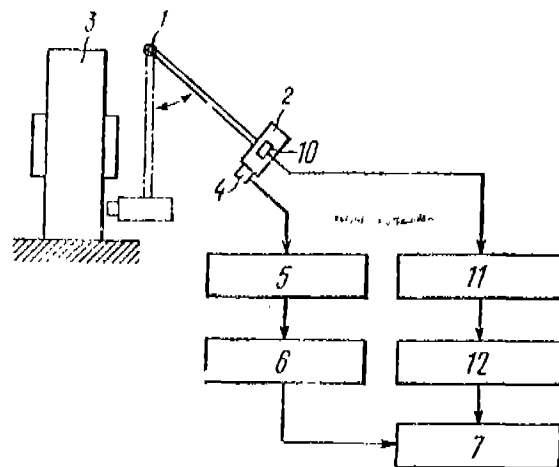
Application No. 630/Cal/1986 filed August 19, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An apparatus for determining technical condition of a pneumatic tyre wherein a contact pick-up is secured to a freely suspended body of a pre-set mass on the side thereof of which is engageable with the lateral surface of the pneumatic tyre cord;

a pulse former and a device for measuring the time of contact between the freely suspended body and the lateral surface of the pneumatic tyre cord being connected in series with the contact pick-up.



Compl. specn. 13 pages

Drg. 2 sheets

CLASS : C 01 c 31/02

165586

PROCESS FOR PRODUCING VANADIUM PENT-OXIDE.

Applicant : (1) URALSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT CHERNYKH METALLOV, OF SVERDLOVSK, PROSPEKT LENINA, 101, KORPUS 2, USSR; (2) PERMSKY POLITEKHNICHESKY INSTITUT, OF PERM, KOMSOMOLSKY PROSPEKT, 29A, USSR.

Inventors : (1) SUSANNA ANDREEVNA AMIROVA, (2) OLGA GENNADIEVNA KREMNEVA (3) LEONID ANDREEVICH SMIRNOV, (4) ANATOLY ANATOLIEVICH FILIPPENKOV, (5) LEV EFIMOVICH KOLPAKOV, (6) JURY STEPANOVICH SCHEKALEV, (7) ANATOLY KUZMICH SHASHIN, (8) IREK NASYROVICH GUBAIDULLIN.

Application No. 680/Cal/1986 filed September 12, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for producing vanadium pentoxide consisting in the steps of :

Preparation charge by mixing 10-40% by mass of soda and 60-90% by mass of a vanadium slag containing,

% by mass :

Calcium oxide	3-40
magnesium oxide	2-15
vanadium oxide	14-30
silicon oxide	12-32
oxides of Fe, Cr, Mn, Ti, Al, P	the balance,

Wherein a mass ratio of silicon dioxide to the total of oxides of calcium and magnesium is equal to 0.75-0.85;

calcination of the prepared charge in an oxidizing atmosphere at a temperature of 700 to 800°C;

leaching of the calcined charge at a temperature of 70 to 90°C preferably with water;

separation by filtration of the obtained solution containing vanadium pentoxide from the cake;

precipitation of vanadium pentoxide from the obtained solution using an inorganic salt such as ammonium salt.

Compl. specn. 17 pages

Drg. Nil

CLASS : 85-J.

165587

Int. Cl. : F 27 b 3/24.

COUNTERCURRENT FLUID COOLED DISCHARGE SCREW FOR USE IN A ROTARY HEARTH FURNACE.

Applicant : MANNESMANN AKTIENGESELLSCHAFT, OF MANNESMANNUFER 2, D-4000 DUSSELDORF, WEST GERMANY.

Inventors : (1) JOHN KENNETH PARGETER, (2) JOHN ARCHIBALD MACDOUGAIL.

Application No. 702/Cal/1986 filed September 23, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A conveying screw, the screw comprising :

a proximal end and a distal end;

an outer shaft;

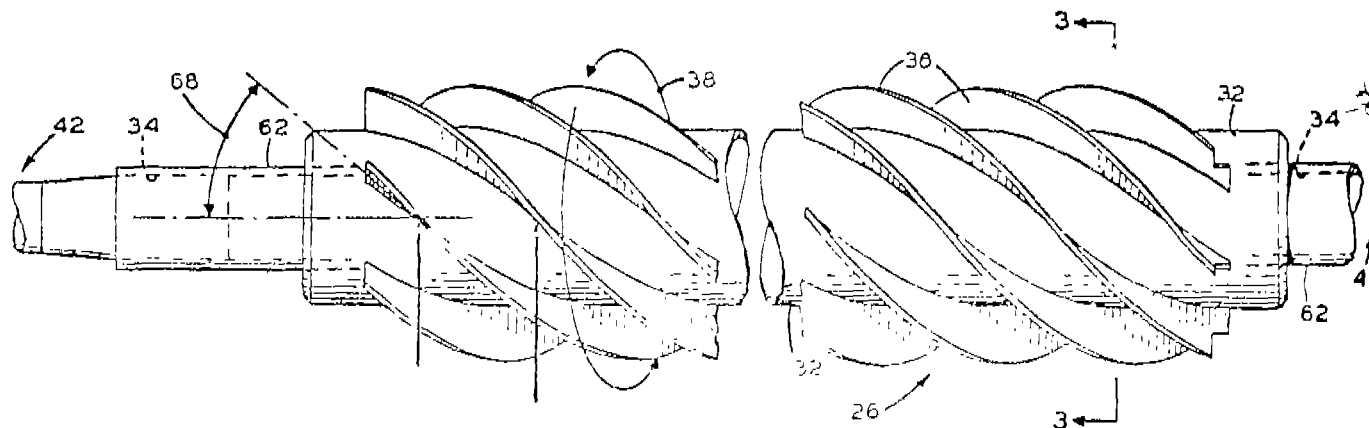
an inner tube disposed within the outer shaft;

an inner tube disposed within the outer shaft, a void formed between the outer shaft and the inner tube,

at least one hollow flight affixed to the outer shaft;

means introducing a coolant into the screw;

means for removing the coolant from the screw and apertures formed in the outer shaft in fluid flow communication with the flight.



CLASS : D 02 g 3/00, 3/04

165588

Applicant No. 777/Cal/1986 filed October 23, 1986.

BLENDED JUTE YARNS—THIER METHOD OF MANUFACTURE AND APPARATUS USED FOR THE SAME.

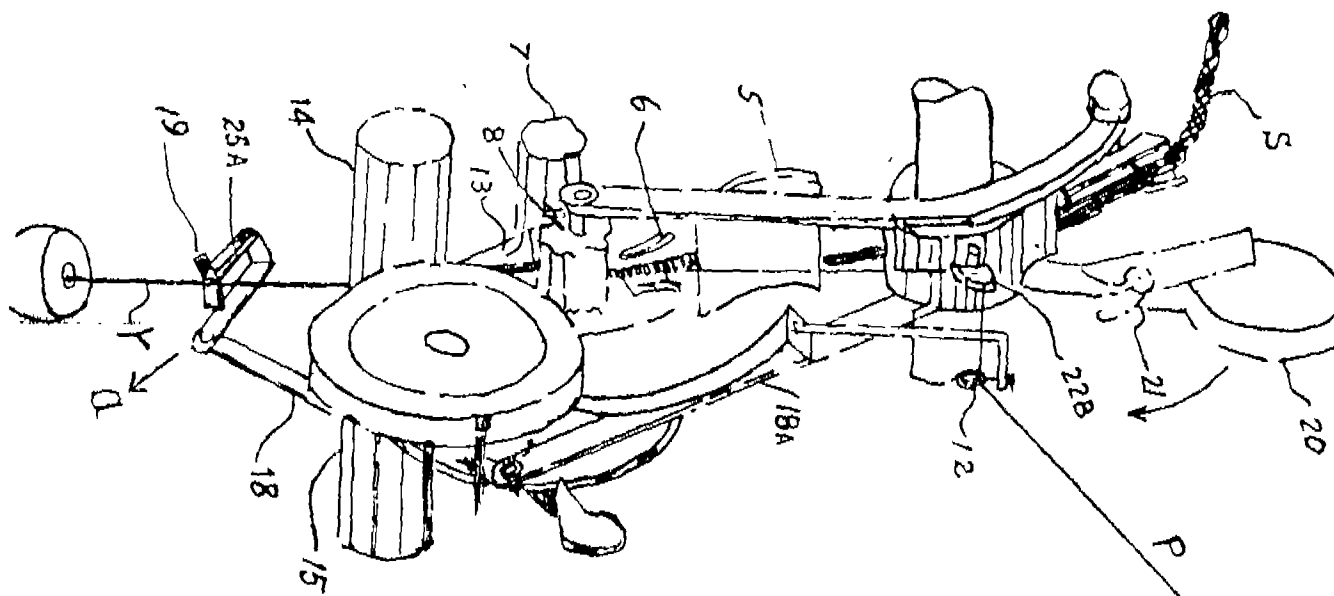
Applicant : MR. DAIZABYRO NAKAMOTO, THE NIHON SEIMA CO. LTD, 565-4 NAKAGAMI TONAMI-SHI TOYAMA-KEN, JAPAN.

Inventors : (1) MR. KIYOSHI INAMI, (2) MR. SHOJI KAYUMI.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

Blended jute yarns comprising 10 to 40 per cent by weight of plastic split or synthetic filament yarns characterised in that said plastic split or synthetic filament yarns lie predominantly at the core of said blended jute yarns.



Compl. Specn. 16 pages.

Drg. 2 sheets.

Int. CLASS : C 09 b 31/00, 33/00, 35/00.

165589

PROCESS FOR PREPARING A WATER-SOLUBLE AZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

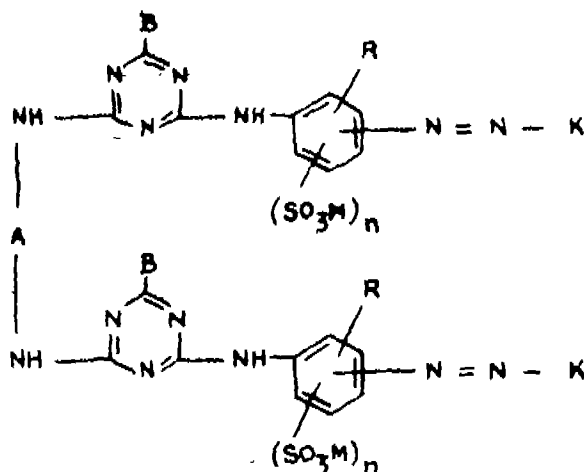
Inventors : (1) LUDWIG SCHLAFFER, (2) HARTMUT SPRINGER, (3) MICHAEL KUNZE.

Application No. 872/Cal/1986 filed December 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for preparing a water-soluble compound conforming to the formula (1) of the accompanying drawings

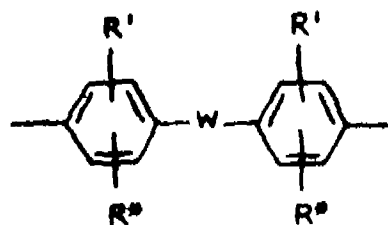


Formula (1)

in which the meanings are :

A is an alkylene group of 2 to 6 carbon atoms or a phenylene radical which can be substituted by 1 or 2 substituents, or is a radical of the formula (2)

in which



Formula (2)

W is a direct bond or a bridge member and the R' and R* each denote a hydrogen atom, a chlorine atom, a methyl, methoxy, ethoxy, carboxy or sulfo group;

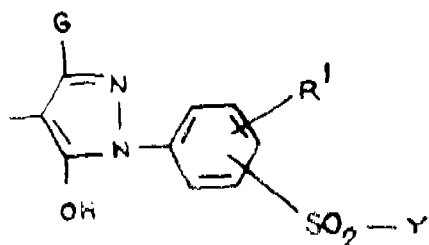
B is a chlorine or a fluorine atom;

R is a hydrogen or a chlorine atom, an alkyl group of 1 to 4 carbon atoms or an alkoxy group of 1 to 4 carbon atoms;

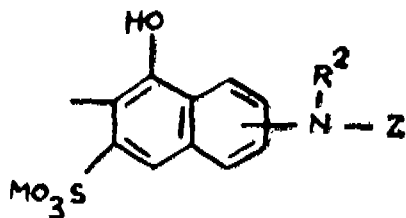
M is a hydrogen atom or an alkali metal;

n stands for the number zero, 1 or 2 (where in the case of $n=0$ this group denotes a hydrogen atom);

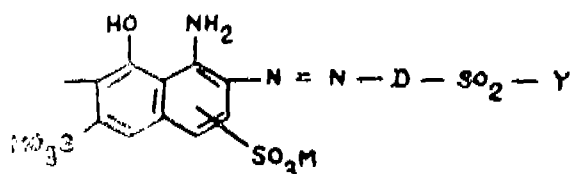
K is a radical of the formula (3), (4), (5) or (6)



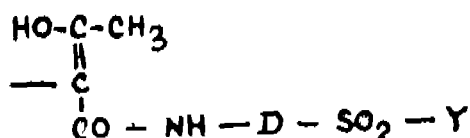
Formula (3)



Formula (4)



Formula (5)



Formula (6)

in which

D is a phenylene radical which can be substituted by 1 or 2 substituents from the group chlorine, bromine, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, carboxy and sulfo, or is a naphthalene radical which can be substituted by 1 or 2 sulfo groups;

R¹ denotes a hydrogen atom, a chlorine atom, an alkyl group of 1 to 4 carbon atoms, or an alkoxy group of 1 to 4 carbon atoms;

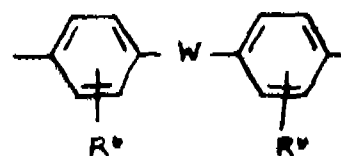
R² is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms;

G is a carboxy, methyl or carbalkoxy group of 2 to 5 carbon atoms;

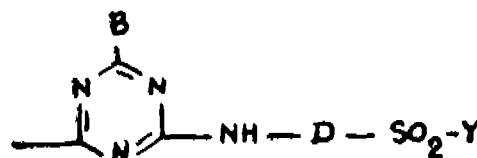
Y denotes a vinyl, β -sulfatoethyl, β -phosphatoethyl, β -thiosulfatoethyl or β -chloroethyl group;

M has the abovementioned meaning and

Z is the α - or β -bromoacryloyl radical or β -chloropropionyl radical or a radical of the formula (3a) with B, D and Y of the abovementioned meaning;

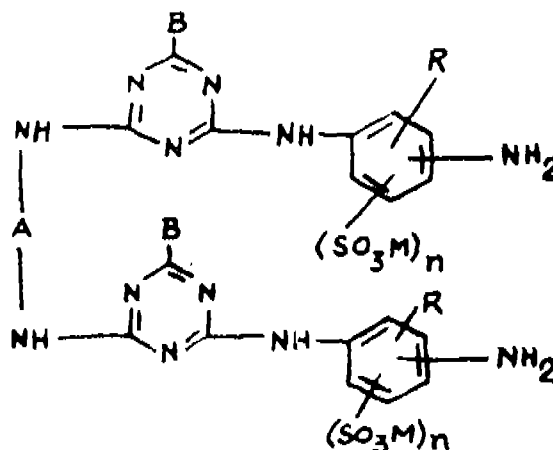


Formula (2a)



Formula (3a)

a tetrazotizing in a conventional manner, an aromatic amino compound of the formula (7)



Formula (7)

in which A, B, R, M and n have the abovementioned meanings and coupling with a coupling component of the formula (8)



Formula (8)

in which K has the abovementioned meaning, or with two different coupling components of formula (8) in an equivalent amount.

Compl. Specn. 31 pages.

Drg. 14 sheets.

CLASS : 172-D₄

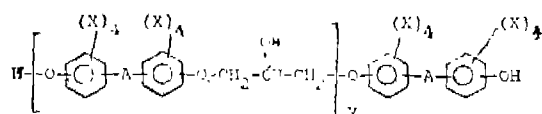
165590

Int. Cl. : D 01 b 1/10; D 01 G 7/00.

SOFTENER MACHINE FOR JUTE.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATOLA ROAD, CACUTTA-700 088, WEST BENGAL, INDIA.

A schematic diagram showing a stack of sheets. On the left, there are four vertical rectangular sheets, each with a wavy edge on its left side. These sheets are labeled with '4' at the top and '5' at the bottom. To the right of these sheets is a larger rectangular block labeled '2' at the top. Inside this block, the words 'DELIVERY SHEET' are written in a stylized, blocky font.

$$\text{CH}_2 - \overset{\text{O}}{\underset{\text{O}}{\text{C}}} - \text{CH} - \text{CH}_2 - \text{O} - \text{C}_6\text{H}_4(\text{X})_4 - \text{A} - \text{C}_6\text{H}_4(\text{X})_4 - \text{O} - \left[\text{CH}_2 - \text{CH}(\text{H}) - \text{CH}_2 - \text{O} - \text{C}_6\text{H}_4(\text{X})_4 - \text{A} - \text{C}_6\text{H}_4(\text{X})_4 - \text{O} \right]_n - \text{CH}_2 - \text{CH} - \text{CH}_2 - \overset{\text{O}}{\underset{\text{O}}{\text{C}}}$$


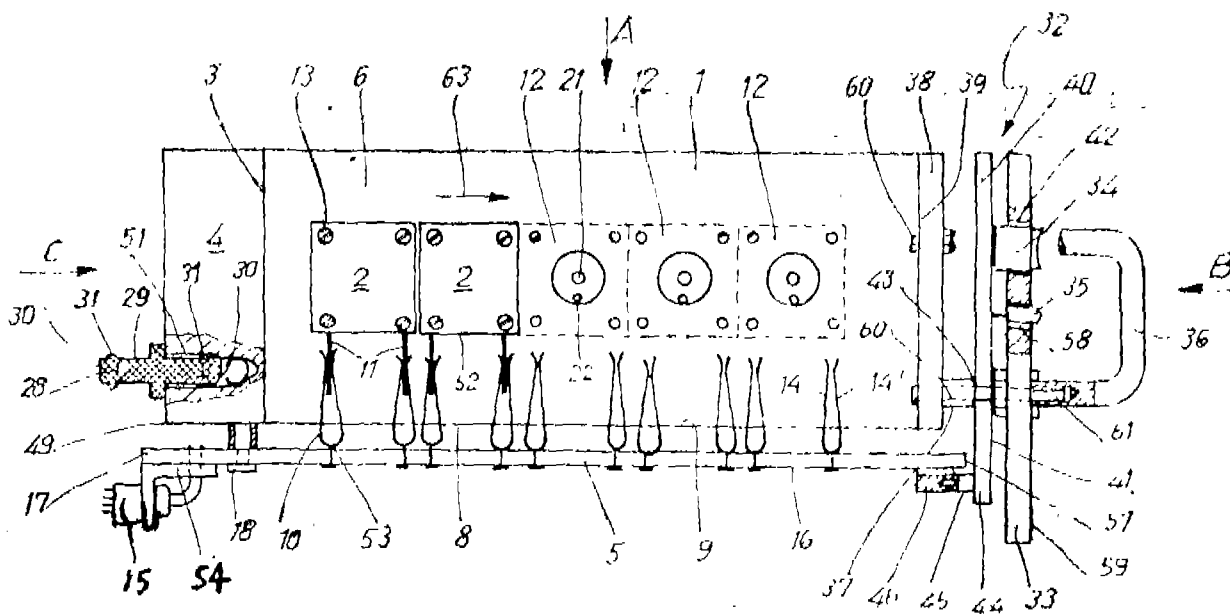
Convention date : 22nd August, 1985. (No. 8521062;
United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

34 Claims.

A circuit assembly for use in electrical pneumatic controllers comprising an elongated manifold, a block-shaped mount, aligned rows of electromagnetically operable fluid power valve-like components mounted on said mount, an electronic circuit board for electrically operating the components, said mount having internal connection ducts, which on the one hand are adapted to communicate with the components and on the other with ducts in the elongated manifold, said manifold being mounted on one of two end faces of the mount, said manifold containing at least one

feed duct for the supply of a fluid under pressure to the components and at least two load ducts for the supply of loads with driving fluid, the block-shaped mount being equipped on two opposite side faces thereof with said components in rows extending along the length of said mount, the electronic circuit board being arranged generally parallel to the rows of components and at a right angle to the side faces of said mount that are equipped therewith and connecting terminal means with male and female terminal instrumentalities for making a direct electrical connection between the electronic circuit board and said components, some of said instrumentalities being placed on said components and some being placed on a face of said board facing said mount.



Compl. Specn.—21 pages;

Drawgs.—3 sheets

Int. Cl. 4 : C 25 B 13/00.

165594

AN ELECTROLYTIC CELL AND A METHOD OF MAKING IT.

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors: (1) RICHARD NEAL BEAVER (2) GENE NEWTON, (3) HIEP D. DANG.

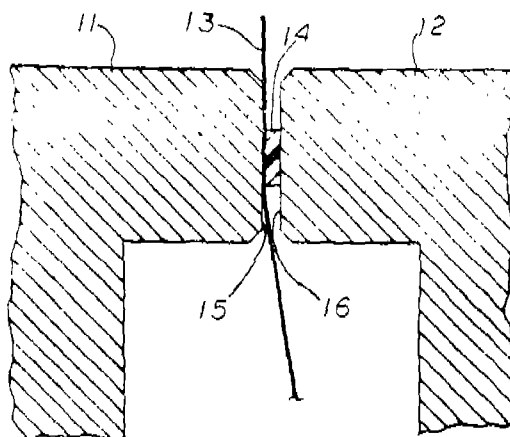
Application No. 759/Mas/85 filed September 27, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims.

An electrolytic cell assembly comprising a first frame, a second frame, a separator interposed, between the frames to space apart an anode and a cathode, wherein a pre-

compressed and permanently deformed seal is disposed between at least the first or second frames and the separator.



Compl. Specn.—19 pages;

Drawgs.—1 sheet

Int. Cl.⁴ : B 65 D 85/00.

165595

A METHOD OF MAKING AN APPLICATOR IN THE FORM OF A SACHET SUITABLE FOR CONTAINING A GAS EVOLVING PEST CONTROL AGENT.

Applicant : DR. WERNER FREYBERG CHEMISCHE FABRIK, OF DELITIA NACHF, 6941 LAUDENBACH, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : (1) WOLFGANG FRIEMEL (2) REINER EHRET.

Application No. 830/Mas/85 filed October 18, 1985.

Divided out of Patent No. 160123 (521/Mas/84) (Ante-dated to July 18, 1984).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Madras Branch.

2 Claims

A method of making an applicator in the form of a sachet suitable for containing gas evolving pest control agent comprising the steps of :

superimposing a first layer of fabric over a second layer of fabric, the fabric of at least one of the layers being composed at least in part of a gas- and water-vapour permeable, substantially anhydrous, non-woven composition, the said composition consisting a first material in the form of natural, synthetic or man-made fabrics having a melting or softening temperature above 165°C, and a second material of hydrocarbon origin having thermoplastic properties and a melting or softening temperature between 60°C and 145°C, the proportion of the second material not exceeding 50% by mass of the composition;

Welding together the two layers of the fabric along weld lines so arranged as to form a sachet having an opening for the introduction of the pest control agent between the two layers of fabric, wherein.

the welding steps are performed at a temperature above the melting or softening temperature of the second material but below the melting or softening temperature of the first material, whereby the second material of the composition is welded to the first material of the composition and to the fabric of the other layer.

Compl. Specn. 17 pages.

Drgs. 2 sheets.

Int. Cl.⁴ : F 16 H 55/36.

165596

SPRING-LOCKED VARIABLE SPEED PULLEY.

Applicant : MITSUBOSHI BELTING LTD., OF NO. 1—21, HAMAZOEDORI 4-CHOME, NAGATA-KU, KOBE-SHI, HYOGO, JAPAN.

Inventor : HIROSHI TAKANO.

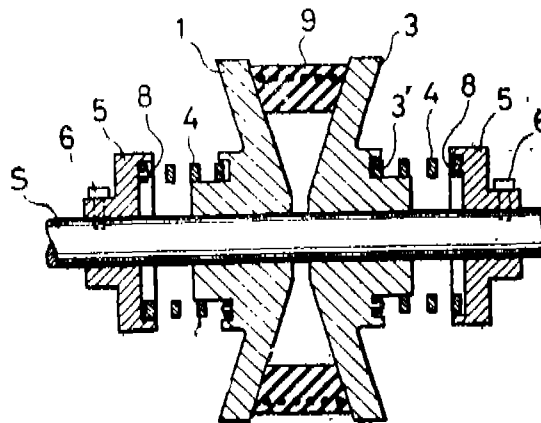
Application No. 879/Mas/85 filed 4th November, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Madras Branch.

4 Claims

A spring-locked variable speed pulley comprising : a stationary pulley piece fixedly mounted on a shaft; a move-

able pulley piece mounted on said shaft in such a manner that said moveable pulley piece is moveable in an axial direction of said shaft and is rotatable around said shaft; a stopper mounted on said shaft; a coil spring interposed between said moveable pulley piece and said stopper with said stopper being on a side of said moveable pulley piece opposite to the side of said moveable pulley where said stationary pulley piece is provided; and a pin protruding from front sides of each of said moveable pulley piece and said stopper, holes in both ends of said coil spring engaging with respective ones of said pins, wherein, in operation when a load caused by a belt laid around said pulley rotates said coil spring in a direction in which it is wound or in a direction opposite to the direction of the torque produced by the loads.



Compl. Specn. 12 pages.

Drg. 3 sheets.

Int. Cl.⁴ : B 01 F 7/16.

165597

ROTARY DEVICE FOR DISPERSING GAS IN A MOLTEN METAL.

Applicant : FOSECO INTERNATIONAL LIMITED, A BRITISH COMPANY, OF 285 LONG ACRE, NECHILLS, BIRMINGHAM, B7 5JR, ENGLAND.

Inventors : (1) CHRISTOPHER JOSEPH WITHERS (2) DAVID WILLIAM PATTLE.

Application No. 892/Mas/85 filed November 6, 1985.

Convention date : November 29, 1984. (No. 8430194; United Kingdom).

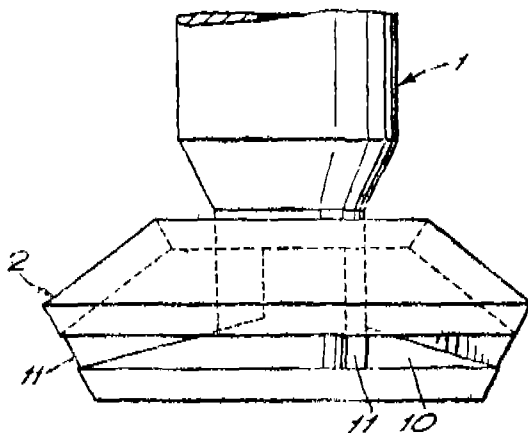
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A rotary device for dispersing a gas in molten metal such as aluminium and its alloys, magnesium and its alloys, copper and its alloys and ferrous metals comprising a hollow rotor rigidly attached to a hollow shaft, said rotor having :

- (i) a plurality of vanes each extending from the shaft, or a location adjacent the shaft, towards the periphery of the rotor whereby the hollow interior of the rotor is divided into a plurality of compartments,
- (ii) at least one aperture in the top or bottom of the rotor adjacent the shaft and at least one aperture in the peripheral surface of the rotor such that when the rotor is immersed in molten metal and rotates, the molten metal enters each of the compartments through the aperture or apertures in the top or bottom and flow outwardly through the aperture or apertures in the peripheral surface, and

- (ii.) at least one duct for the passage of the gas extending from the hollow interior of the shaft to each of said compartments.



Compl. Specn. 17 pages.

Dwg. 4 sheets.

Int. Cl.⁴ : C 09 J 3/00.

165598

PROCESS FOR THE PREPARATION OF REACTIVE COMPONENT FROM COCONUT SHELL DERIVATIVE.

Applicant : GONTIKI CHEMICALS & PHARMACEUTICALS (P) LTD., AN INDIAN COMPANY, OF A K OFFICE BUILDINGS, BALIAPATAM, CHANNANORE 670 010, KERALA, INDIA.

Inventor : CHATHANATH CHAITANYA MENON.

Application No. 948/Mas/85 filed 22nd November, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A process for the preparation of a reactive component from coconut shell derivative prepared in accordance with the invention described in Indian Patent No. 147728, comprising the steps of :

- acidifying the coconut shell derivative till it attains a pH of 7 using a mineral acid,
- further reducing the pH till it attains a pH of 3.5 using a carboxylic acid,
- reacting the composition so obtained with furfuryl alcohol at elevated temperature of 100°C, and
- cooling and increasing the pH of the resultant composition to 10 by adding sodium hydroxide solution to obtain the reactive component of the coconut shell derivative.

The derivative prepared according to this invention can be used for extension of phenolic resin adhesives.

Compl. Specn. 13 pages.

Dwg. Nil.

Int. Cl.⁴ : C 04 B 5/02.

165599

"A METHOD OF MAKING FINE GRANULATED SLAG BY WATER GRANULATION OF MOLTEN SLAG FROM A BLAST FURANCE"

Applicant : RASA SHOJI KABUSHIKI KAISHA, OF No. 9-4, 2-CHOME, NOHONBASHI-KAYABACHO, CHUO-KU, TOKYO, JAPAN, A JAPANESE NATIONALITY.

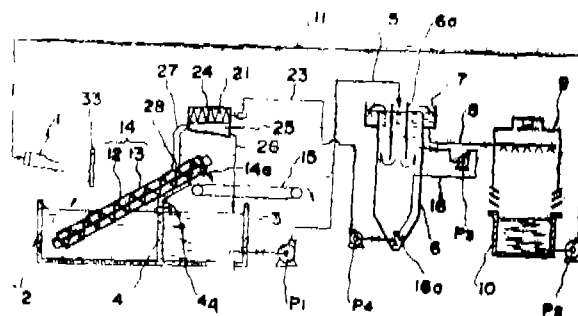
Inventors : (1) HIDEO NORMURA,
(2) HIROSHI SEINO.

Appropriate Office for Opposition Proceedings (Rule 4,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method of making fine granulated slag by water granulation of molten slag from a blast furance by directing a jet of water to the molten slag, collecting the water granulated slag mixed with water in a separation tank, discharging the water granulated slag settled at the bottom of the said separation tank by a screw conveyor, transferring slurry containing the fine water granulated slag to a sedimentation tank through a transfer tank, introducing the slurry from the sedimentation tank into a rotary drum having a screen on the peripheral surface of the rotary drum, removing the water through the screen surface and discharging and collecting the fine water granulated slag through a spiral-shaped screw disposed on the inner wall surface of the said rotary drum.



Compl. Specn. 11 pages

Ddwgs. 1 sheet

Int. Cl.⁴—B 22 C 25/00.

165600

A MACHINE FOR CASTING METALS TO THE DESIRED SHAPES

Applicant & Inventor : DR. SUNDARESAN RAMACHANDRAN, NO. 1, SIVA SUNDAR AVENUE, THIRUVANMIYUR, MADRAS-600 041, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 606/MAS/86. filed July 30, 1986.

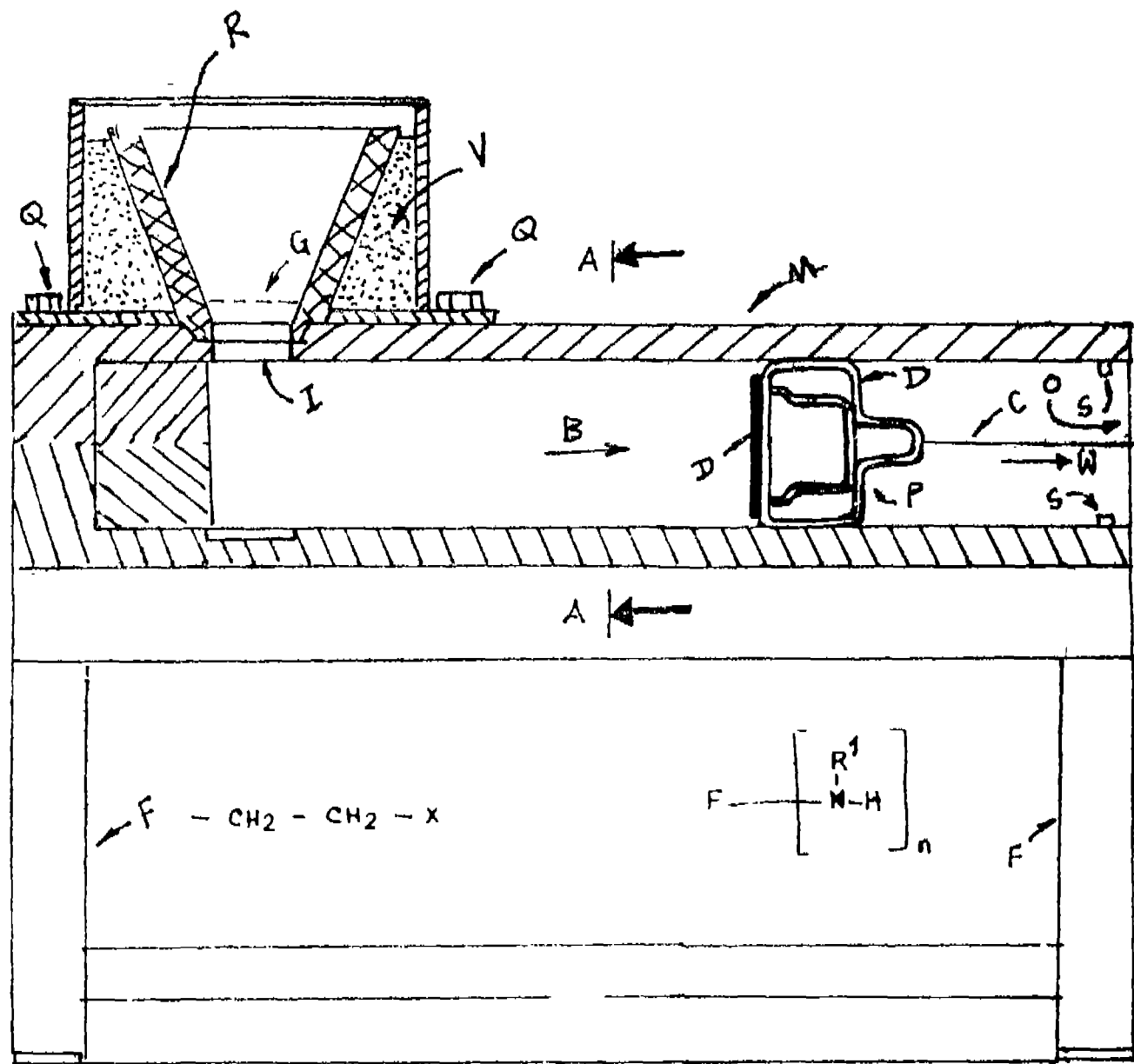
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A machine for casting metals to the desired shapes, comprising a mould of detachably fastened sections and having a shape or configuration corresponding to the desired shape or configuration of the cast metal, the mould being disposed substantially in the horizontal plane and provided at one end with an inlet for entry of molten metal, from a tundish or reservoir, therinto, characterised by a plug forming a snug movable fit within the mould, the plug being connected to known means, such as, a hand operated mechanical winch, for drawing the same, within the mould, in a controlled manner from the inlet to the other end of the mould, the said other end of the mould being open and provided with stops to prevent the plug from being drawn out from the mould, whereby with the plug initially disposed at or near the inlet and molten

metal entering the mould through the inlet, the said means are operable to draw the plug in a controlled manner, within and along the mould, towards the said other end,

over the desired distance, to permit the entering molten metal to fill the mould over the said distance and solidify therein.



Formula 2

(Com.—12 pages; Drawgs.—1 sheet)

Formula 17

Int. Cl.—E 21 B 17/00.

165601

6 Claims

AN IMPROVED WELL RING ASSEMBLY

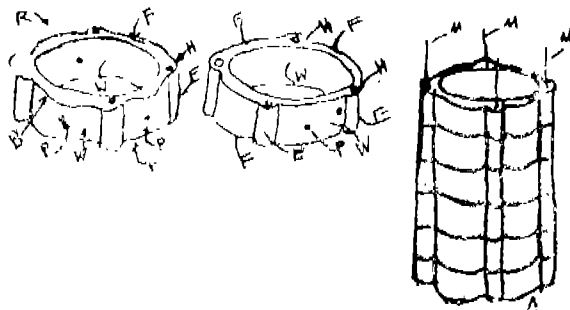
Applicant & Inventor: ANNAMALAI GNANASEKARAN, PLOT NO. 31, ANNAI SATHYA NAGAR, PONNIAMMAN MEDU P.O., MADRAS-600 110, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 500/MAS/86 filed July 1, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

An improved well ring assembly of which each well ring comprises a circumferentially metal reinforced body of concrete, characterised in that a plurality of spaced holes open out on the two faces of the body and run parallel to the inner and outer walls of the body; and a plurality of metal rods of the same number as the number of holes respectively form a loose fit in the holes, the well rings of the assembly being stackable one over the other in the well chute during excavation, thus enabling the contacting faces of adjacent well rings to be adhesively bonded together and also enabling the rods respectively passing through the vertically aligned holes of the

stack to be adhesively bonded in position in the said holes.



Com.—9 pages;

Drgs.—1 sheet

Int. Cl.⁴—C 00-B 17/033.

165602

A PROCESS FOR ELEMENTAL SULPHUR RECOVERY FROM SULPHUR SLUDGE IN SULPHURIC ACID PLANT"

Applicant & Inventor: DR. PARVATAM SIVAPRASAD, INDIAN, GEMINI ARTS PVT. LTD., 601, MOUNT ROAD, MADRAS-600006.

Application No. 591/MAS/86 filed July 24, 1986.

Complete Specification left: May 27, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

3 Claims

A process for the recovery of elemental sulphur from the sulphur sludge comprising the steps of finely grinding the sludge, packing the same in a tubular vertical column and allowing the solvent mixture, containing carbondisulphide and water in the ratio of 1:1, to percolate through till all the sulphur contained in this sludge is extracted keeping the sludge to carbondisulphide ratio around 1:5 to 1:6, distilling the solvent extract at atmospheric pressure to recover elemental sulphur and if desired recycling the carbondisulphide to the column for fresh extractions.

(Prov.—2 pages; Com.—3 pages). Drwg.—NIL

Int. Cl.⁴: E 21 B 43/27.

165603

A WATERFLOOD PROCESS FOR RECOVERING OIL

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Netherlands Company, of Carel van Bylandtlaan 30, 2596 HR The Hague, The Netherlands.

Inventor: HANS UWE SCHUTT

Application No. 601/MAS/86 filed 29th July 1986

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

5 Claims

A waterflood process for recovering oil from a subterranean reservoir in a location in which seawater is economically available, comprising:

incorporating within the seawater, at least prior to its injection into the reservoir, 10 to 100 ppm ammonia or ammonia-yielding material to raise the pH to near

but less than 9.5, and enough nitrite ion-yielding material to increase the oil displacing capability of the ammoniated seawater without causing an undesirable increase of the rate of growth of sessile bacteria; and

injecting the ammoniated and nitrated seawater into the reservoir to displace oil toward a production location from which oil is recovered.

(Com Specn.—13 pages) Drg. 'NIL'.

Int. Cl.⁴—G 09 F 7/00

165604

A HOARDING SYSTEM FOR OUTDOOR DISPLAY OF ADVERTISEMENTS

Applicant: TUBE INVESTMENTS OF INDIA LIMITED, ENGINEERING DIVISION, AVADI, MADRAS-600 054, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors: (1) ANANDASIVAM GOPAL

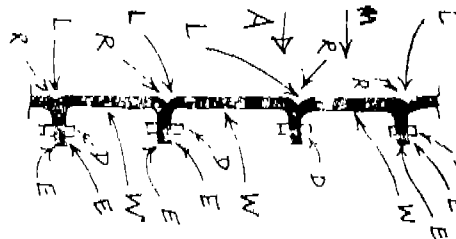
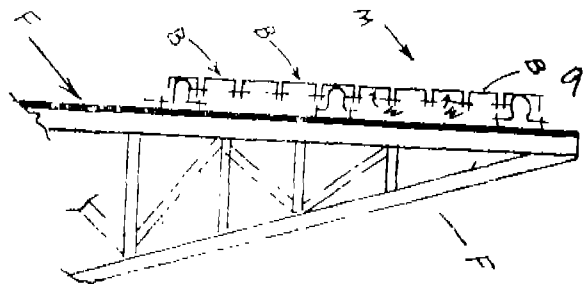
(2) KUNNAVAKKAM VINJAMUR VIJAYARAGHAVAN.

Application No. 617/Mas/86 filed 1st August, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A hoarding system for outdoor display of advertisements comprising a message carrier for visually representing a message and a supporting framework with the message carrier mounted thereon, characterised in that the message carrier comprises at least one set of a plurality of closely and laterally disposed light gauge metal C-sections, the adjacent flanges of every pair of said sections being fixed together by known means, such as, bolts, while the webs of the C-sections are fixed to the supporting framework by clamps, the said webs being aligned to provide a plane or substantially plane surface for carrying the message.



(Com.—11 pages; Drwgs.—2 sheets)

Int. Cl.⁴ : B 02 C 19/08.

165605

3 Claims

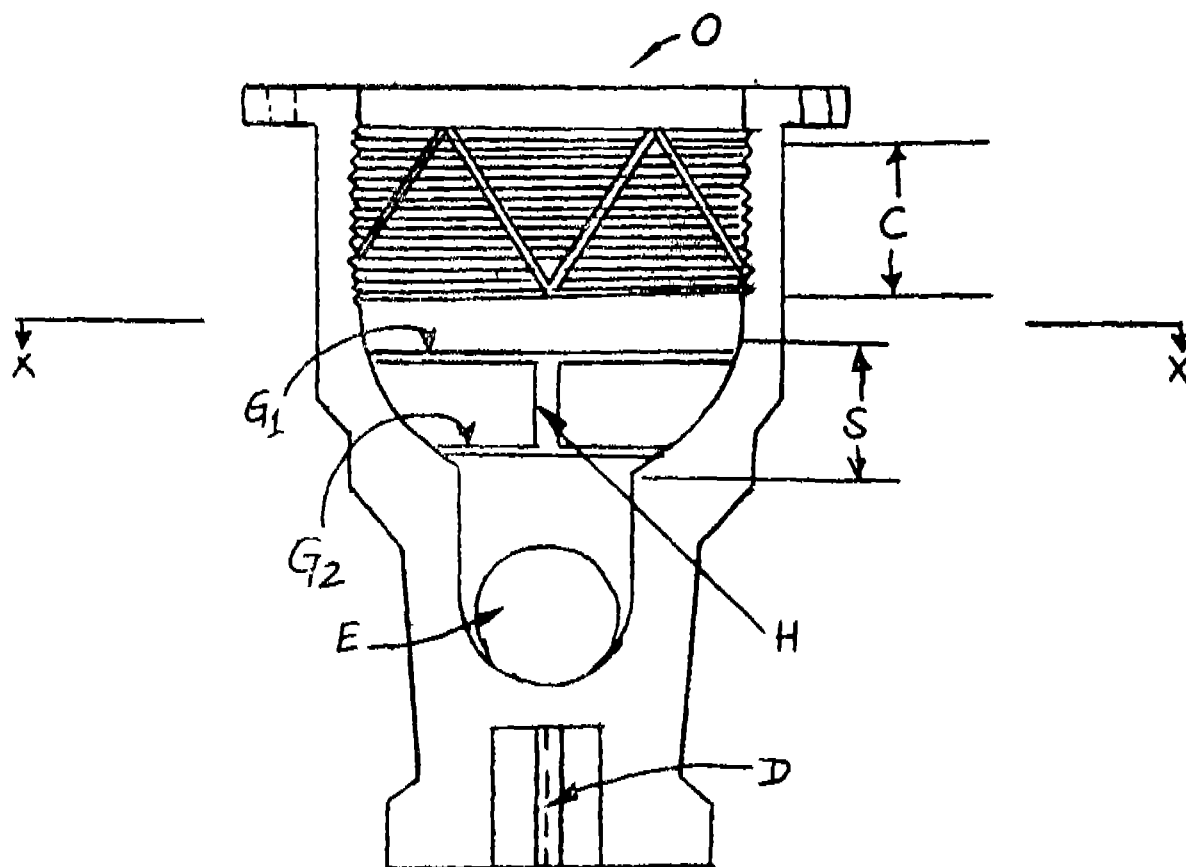
AN IMPROVED MORTAR FOR AN OIL ROTARY

Applicant & Inventor : RAMASWAMY GOUNDER SUB-
RAMANIAN OF RAGAVA MACHINES, 199/7/1 Vee-
rapathira Street, Erode-638 003, Tamil Nadu, India, Indian
National.

Application No. 676/MAS/86 filed 22nd August 1986.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules 1972), Patent Office, Madras Branch.

An improved mortar for an oil rotary comprising a mouth at its top for receiving a pestle, a crushing zone and a pestle seating zone in its interior, the base of the mortar having one or more apertures for draining away the oil yielded there-through, characterised in that the internal periphery of the mortar at the pestle seating zone is provided with at least one groove disposed in a plane along or substantially along the direction of the axis of rotation of the mortar, and at least one other groove disposed in a plane perpendicular or substantially perpendicular to the direction of the axis of rotation of the mortar.



(Com. Specn.-7 pages) Drg. 1 sheet.

Int. Cl.⁴ : A 23 F 3/12.

165606

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules 1972), Patent Office, Madras Branch.

A ROTATORY DRIVING CONSOLE

Applicant & Inventor : DANIEL SHANTHI RAJAN of
Shanthi Bhavan, 12-Cornwall Road, Coonoor-643 101
(Nilgiris), Tamil Nadu State, India, an Indian citizen.

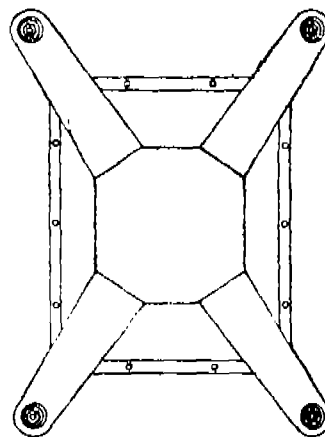
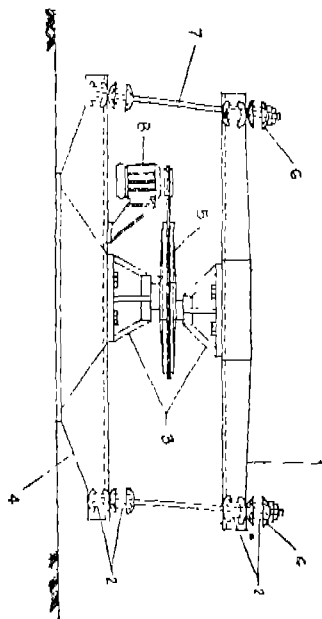
Application No. 783/MAS/86 Filed 6th October 1986.
3-347GL/89

6 Claims

A rotatory driving console comprising a base frame, a rotating frame, a fly wheel with an eccentric shaft which is fixed to the rotating frame the rotating frame being supported by at least two strut rods fixed at the periphery of the rotat-

frame, the strut rods being fixed to the base frame and rotating frame through flexible joints, the fly wheel being

mounted on bearings fixed to the base frame and driven by known means to move the rotating frame in a circular path.



(Com. Spen.-6 pages) Drg. 2 sheets.

Int. Cl.⁴ : H02K 19/06

165607

ROTATING MACHINE WITH A ROTOR HAVING AXIAL AND RADIAL MAGNETIC BEARING.

Applicant & Inventor : HARTMUT GRIEPENTROG, of Veitstr. 17, 1000 Berlin 27, and HERBERT, WEH, of Wohlerstr. 20, 3300 Braunschweig, both of Federal Republic of Germany and German nationality.

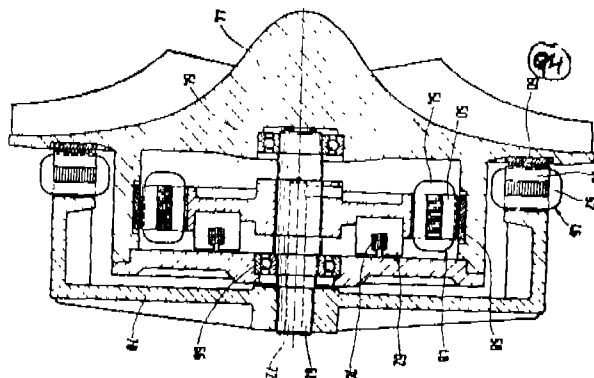
Application No. 862/MAS/86 filed November 4, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

9 Claims

Rotating machine with a rotor having axial and radial magnetic bearing, with an inductor of an electrical radial field machine (48) arranged on the rotor (44), said radial field machine being designed for the absorption of the radial bearing forces acting on the rotor, and with an axial field machine (46), whose inductor is arranged on the rotor (44) and which is designed for the absorption of the axial bearing forces acting on the rotor, wherein the field of the axial field machine is effective on a larger diameter than the field of the radial field machine, wherein the armature windings of the radial and the axial field machine are each subdivided

into four winding quadrants (A1-A4, Q1-Q4) with regulating units of their own, wherein the axial field machine is provided with three controllers for the stabilizing of three degrees of freedom and the radial field machine is provided with two controllers for the stabilizing of two degrees of freedom, and wherein in case of the axial field machine the measured values of four gap sensors (S1-S4) serve for determination of three control commands with the aid of a logic computer and these can be converted with the aid of a further computer into control commands for four partial invertors for phase-shifting.



Complete specification 25 pages. Drg. 5 sheets.

Int. Cl.⁴—A 61 K 31/07.

165608

A PROCESS FOR PREPARING AN OPHTHALMIC PREPARATION FOR THE TREATMENT OF DRY OR IRRITATED EYES.

Applicant : VISION PHARMACEUTICALS, INCORPORATION OF P.O. BOX 33, ADINGDON, MARYLAND 21009, U.S.A., AN AMERICAN COMPANY.

Inventor : SHAMBHU DAYAL VARMA.

Application No. 644/Mas/87 filed September 4, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

10 Claims. No drawing.

A process for preparing an ophthalmic preparation for the treatment of dry or irritated eyes comprising admixing :
(a) up to 1000 International Units/ml, a solubilized Vitamin A selected from the group consisting of retinol, retinol acid, retinol derivative, retinol precursors and admixtures thereof in an aqueous solution;

(b) 0.9 to 3.6 mg/ml of a physiologically acceptable free radical scavenger, and

(c) 5.03 to 10.6 mg/ml of a physiologically acceptable metal chelating agent for multivalent metal cations present in human and animal external eyes tissue or tear film.

(Com.—22 pages)

Int. Cl.⁴—C 07 D 273/04.

165609

AN IMPROVED PROCESS FOR THE PREPARATION OF α -N-[(HYPOXANTHIN-9-YL)-PENTYLOXY CARBOXYL]-ARGININE.

Applicant : SIGMA TAU INDUSTRIE FARMACEUTICHE RIUNITE SpA, AN ITALIAN COMPANY, OF VIALE SHAKESPEARE, 47 ROMA, ITALY.

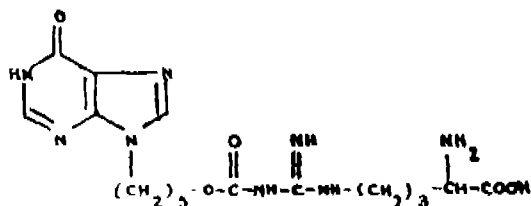
Inventor : RICCARDO STRADI.

Application No. 669/MAS/87 filed September 14, 1987.

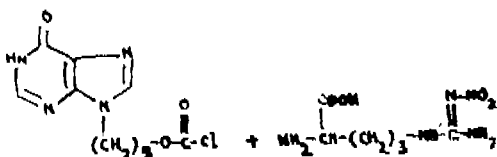
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

4 Claims

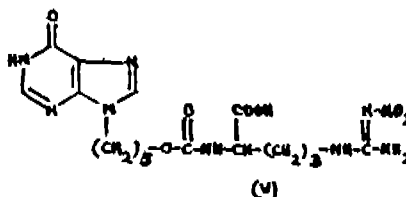
An improved process for the preparation of α -N-[(hypoxanthin-9-yl)-Pentyloxy-carbonyl]-arginine of the formula I of the accompanying drawings.



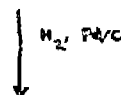
which comprises acylating an aqueous solution of a salt of N-nitroarginine of the formula IV of the accompanying drawings



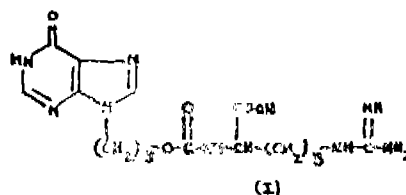
with (hypoxanthin-9-yl)-pentyloxy-carbon chloride of the formula III of the accompanying drawings



in an aprotic solvent; the reaction being carried out in an heterogenous system at a temperature of from 0 to 50°C; the α -N-[(hypoxanthin-9-yl)-pentyloxy-carbonyl]-N-nitro-arginine of the formula V of the accompanying drawings



thus obtained is subjected to hydrogenolysis on palladium or charcoal in alcoholic solution acidified with acetic acid at room temperature and pressure to obtain the compound of formula I of the drawings.



(Com.—7 pages; Drawings—1 sheet)

Int. Cl.⁴ : A 21 D 2/24; C 12 N 9/28.

165610.

A PROCESS FOR THE PREPARATION OF AN ACYL DERIVATIVE OF AN ALPHA-AMYLASE ENZYME HAVING REDUCED THERMOSTABILITY AT 90°C.

Applicant : ENZYME BIO-SYSTEMS LTD. a Delaware Corporation of International Plaza, P.O. Box 8000, Englewood Cliffs, New Jersey 07632, U.S.A.

Inventor : PHILLIP J. BRUMM.

Application No. 776/MAS/87 filed 27th October 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

Claims.

A process for the preparation of an acyl derivative of an alpha-amylase enzyme having reduced thermostability at 90°C which comprises reacting an alpha-amylase enzyme derived from *Bacillus Stearothermophilus* or *Bacillus subtilis* with an acid anhydride at a pH between 7 and 9 at a temperature between 5°C and 50°C in the presence of a starch or starch hydrolyzate until at least 50% of the free amino groups in the enzyme have been acylated.

(Com. Specn.—15 pages Drawing—2 sheets)

Int. Cl.: G 01 V 3/18

165611

INDUCTION LOGGING SONDE WITH METALLIC SUPPORT

Applicant: SCHLUMBERGER LIMITED, A⁷ CORPORATION OF THE NETHERLANDS ANTILLES/277PARK/OF AVENUE, NEW YORK, NEW YORK 10172, U.S.A.

Inventor: THOMAS D. BARBER; RICHARD N. CHANDLER; JOHN F. HUNKA.

Application No. 311/MAS/85 filed 25th April 1985.

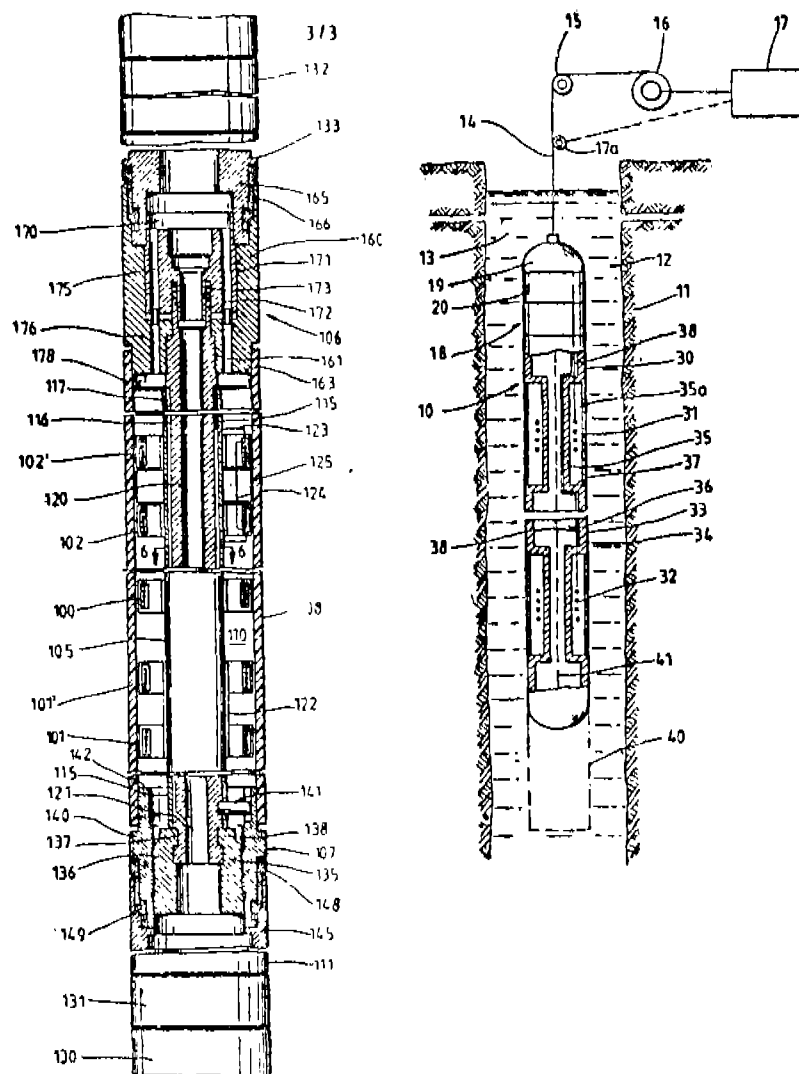
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

Induction logging sonde adopted for displacement in a

bore hole for investigating the formations traversed by the borehole, characterized in that it comprises:

- at least one transmitting solenoid coil for generating an electromagnetic field substantially free from dielectric effects, which field induces currents in the formation,
- at least one receiving solenoid coil axially spaced from the transmitting coil for producing in response to the field induced by these currents a signal indicative of the conductivity of the formation,
- an elongate support for mounting said coils in coaxial and spaced relationship thereto, said support being made of electrically conductive material and having at least in the vicinity of the coils a substantially continuous and axisymmetrical outer surface to favor the flow of eddy currents round said surface.



Int. Cl.⁴ — F 04 B 23/00

165612

HYDRO-PNEUMATIC WATER POWERED ENGINE.

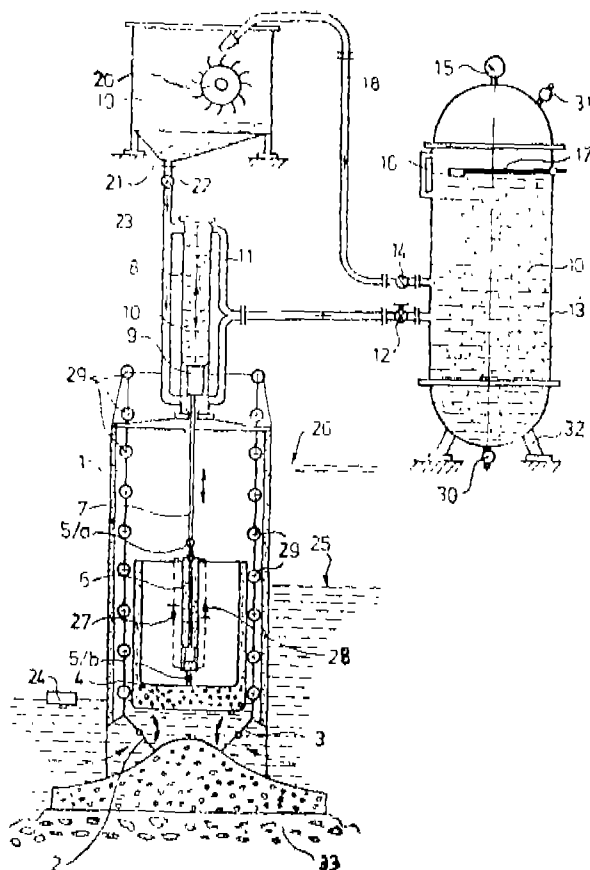
Applicant & Inventor : TIBOR KENDERI, OF H-1118, BUDAPEST, KELENHEGYI UT 49, HUNGARY, A HUNGARIAN NATIONALITY.

Application No. 325/Mas/85 filed April 29, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, 1972), Patent Office, Madras Branch.

5 Claims

A hydropneumatic water powered engine, comprising a weir or dam anchored at the bottom of a body of water between an upstream portion and a downstream portion of said water, a substantially vertical inner shaft having communicating passages for communicating with the upstream and downstream water portions, closure members arranged above the bottom of the water and operating in a controllable fashion for closing the communicating passages, a float located in said shaft and having a sufficiently large weight and being guided for freely moving in the vertical direction, longitudinally adjustable rod, a liquid pump, said adjustable rod coupling said float to said liquid pump a hydropneumatic pressure container for a hydraulic pressurized fluid, said pump functioning as a dual-acting piston pump for said hydraulic pressurized fluid and having operating cylinders, said piston pump in both stroke directions being coupled with said rod in a force and motion transmitting fashion, and communicating with a liquid chamber of the pressure container, and means coupling said container for work-producing expansion of the hydraulic pressurized fluid therein by means of a flow machine such as a turbine or a hydromotor.



(Com.—14 pages; Drwgs.—1 sheet).

Int. Cl.⁴ — A 61 B 19/02

165613

A DISPENSING PACK FOR SURGICAL SUTURES

Applicant : W. L. GORE & ASSOCIATES, INC., OF 555 PAPER MILL ROAD, P.O. BOX 9329, NEW YORK, DELAWARE 19714, UNITED STATES OF AMERICA; A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

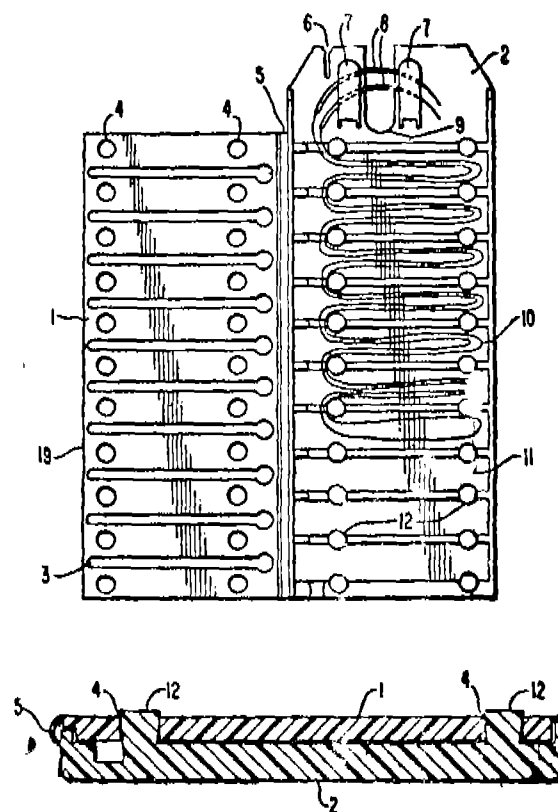
Inventors : (1) JAY PERRY LINCOLN
(2) WILLIAM MICHAEL OWENS
(3) DOUGLAS MELVIN FERGUSON

Application No. 395/Mas/85 filed May 29, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, 1972), Patent Office, Madras Branch.

12 Claims

A dispensing pack for surgical sutures comprising a first panel forming a closure hingedly affixed to a second panel, the second panel having integrally moulded interconnected compartments for protectively holding said sutures, a recess extending inwardly from an edge of the second panel, needle-holding means on said second panel adjacent opposite sides of said recess for holding needles attached to said sutures so that the needles extend across said recess, and means integrally moulded in said panels for interengaging to hold said panels together upon closure, the dimensions of said panels being such that the needle-holding means and the recess are disposed beyond said first panel upon closure.



(Com.—17 pages; Drwgs.—6 sheets).

Int. Cl.⁴ — B 41 F 15/34

165614

A SCREEN FOR PRINTING AND A METHOD FOR MANUFACTURING THE SAME.

Applicant : STOCK SCREENS B.V., OF 3, RAAMSTRAAT, 5831 AT BOXMEER, THE NETHERLANDS.

Inventors : (1) MEUZELAAR BOB

(2) THUIS HENRICUS HERMANUS

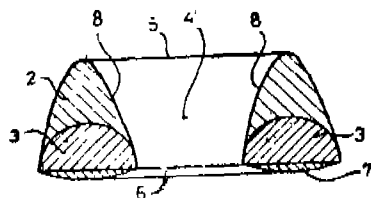
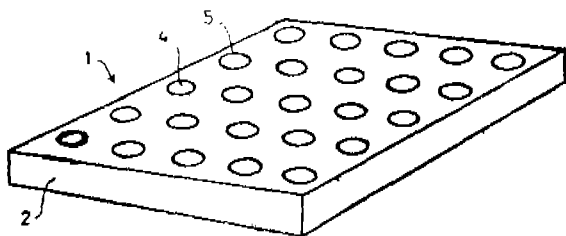
Application No. 439/Mas/85 filed June 12, 1985.

Convention date : May 3, 1985; (No. 211, 971; New Zealand).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

4 Claims

A screen for printing, comprising a screen skeleton (3) in the form of a fine mesh and a layer of metal electrolytically deposited upon the screen skeleton characterized in the screen skeleton (3) having a semi-circular cross-section and a flat bottom and the screen having a fineness of between 250 and 1000 mesh; the upper side of the screen openings having an area which is larger than the lower side of the screen openings; each of the screen openings being defined by curved walls extending from the lower side of the screen opening to the upper side of the screen opening.



(Com.—8 pages; Drwgs.—1 sheet)

Int. Cl.⁴ : G 09 F 11/02.

165615

AN AUTOMATIC ADVERTISING MACHINE.

Applicant & Inventor : AYADATHIL APPUKUTTY NAMBIAR, "GOKULAM" BADAGARA 673 101 CALICUT DISTRICT, KERALA INDIA.

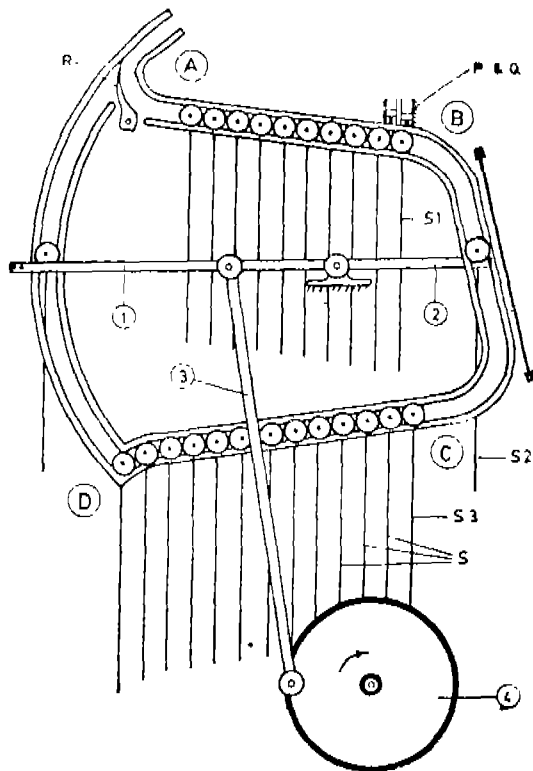
Application No. 461/MAS/85 filed 24th June 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

2 Claims

An automatic advertising machine which comprises a pair of upper roller track A—B and a lower roller track C—D holding a series of show plates S, the said upper and lower roller track are connected by a pair of inner roller track B—C and outer roller track A—D, at the junction between the outer

roller track A—D and the upper roller track A—B is a one-way-valve R, at the opposite end of the upper roller track A—B are two valves P and Q, along the said outer roller track A—D runs an outer lever 1 with a show plate holder J2, along the inner roller track B—C runs an inner lever 2, both the inner and outer levers are connected to one end of a connecting lever 3, the other end of the said connecting lever 3 is connected to a cam 4 driven by a motor 13.



(Com. Specn.—9 pages; Drg. 5 sheets)

Int. Cl.⁴ : G 08 B 21/00.

165616

APPARATUS SUITABLE FOR MONITORING FOR THE OCCURRENCE OF AN EVENT.

Applicant : ROYCHEM CORPORATION, A CORPORATION ORGANIZED ACCORDING TO THE LAWS OF THE STATE OF CALIFORNIA, U.S.A. OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

Inventor : MICHAEL MASIA; JAMES PATRICK REED; PETER L. BROOKS; THOMAS W. TOLLES; LARRY RUSSELL REEDER; ROBERT S. WASLEY; PAUL D. HAUPTLY; LOUIS MICHAEL FRANK; MAURO BONOMI.

Application No. 464/Mas/85 filed 24th June 1985.

Convention dated 29th June 1984 (No. 8416672; U.K.).

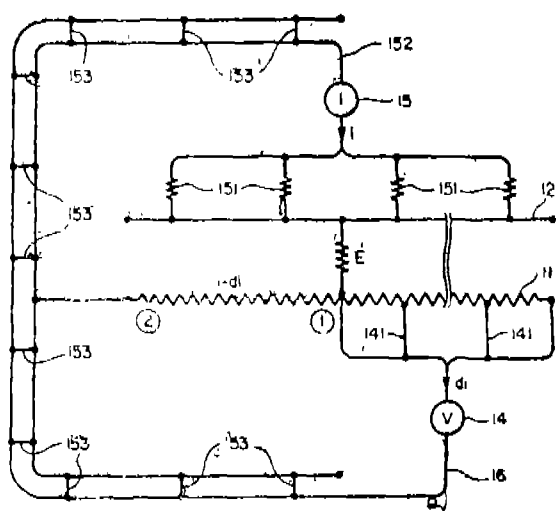
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

Apparatus for monitoring for the occurrence of an event as hereinbefore described and for locating the event upon its occurrence, which apparatus upon occurrence of the event comprises :

- (1) an electrically conductive elongate locating member whose impedance from one end to any point thereon defines the location of that point relative to that end;

- (2) an electrically conductive elongate source member; the locating member and/or the source member comprising a metal core and an elongate jacket which electrically surrounds the core and which is composed of a conductive polymer, and which is event sensitive in such a manner as to allow connection between the locating member and the source member upon occurrence of the event;
- (3) an event-sensitive connection means, which upon occurrence of the event, effects electrical connection between the locating member and the source member, the connection being effective at a first point on the locating member which is defined by the location of the event;
- (4) a voltage-measuring device for determining the voltage drop between the first point and a second point which is at one end of the locating member;
- (5) a power source which is electrically connected through connection means to the second point of the locating member and, when an event occurs, the first point on the locating member via one or more auxiliary connections and the source member;
- (6) an electrically-conductive return member having a first end which is electrically connected to one or more points at one end of the locating member via the voltage-measuring device and one or more connections having known impedance; the second end which is electrically connected to the other end of the locating member, the return member being otherwise insulated from the locating member; the making of the connection enabling the formation of a test circuit which comprises (a) the source member (b) the connection (c) that part of the locating member which lies between the first point and a second point having a known location on the locating member, and (d) the power source, which power source causes an electrical current of known size to be transmitted between the first and second points on the locating member.



Compl. specn. 58 pages

Drg. 15 sheets

Int. Cl.4—G 08 B 21/00.

165617

APPARATUS FOR MONITORING THE OCCURRENCE OF AN EVENT AND OBTAINING INFORMATION ABOUT THE EVENT WHEN IT OCCURS.

Applicant: RAYCHEM CORPORATION, A CORPORATION ORGANISED ACCORDING TO THE LAWS OF THE STATE OF CALIFORNIA, U.S.A., of 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

Inventors:

- (1) MICHAEL MASLA;
- (2) JAMES PATRICK REED.
- (3) LOUIS MICHAEL FRANK.
- (4) PAUL D. HAUPTLY.
- (5) MAURO HONOMI.

Application No. 465/Mas/85 filed June 24, 1985.

Convention date 29th June 1984; (No. 8416672 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Apparatus for monitoring the occurrence of an event such as hereinbefore defined and for detecting and obtaining information about the event when it occurs, which apparatus comprises:

(A) an elongate electrically conductive locating member whose impedance from one end to any point on the locating member defines the length of the locating member between that end and that point;

(B) an elongate electrically conductive return member;

(C) an event-sensitive connection means which, upon occurrence of the event, permits or effects electrical connection between the locating member and the return member, the connection being effective at a first point on the locating member which is defined by at least one characteristic of the event;

(D) electrically conductive source member;

(E) a voltage-measuring device which is electrically connected to a second point on the locating member and to the return member, and which, in the absence of the event is not otherwise connected to the locating member, so that, when occurrence of the event causes an electrical connection to be made between the locating and return members, resulting on the formation of a test circuit comprising (a) the connection, (b) that part of the locating member which lies between the first and second points, (c) the voltage-measuring device, and (d) part of the return member; the voltage-measuring device having an impedance which is very high by comparison with any unknown part of the other components of the reference circuit; and

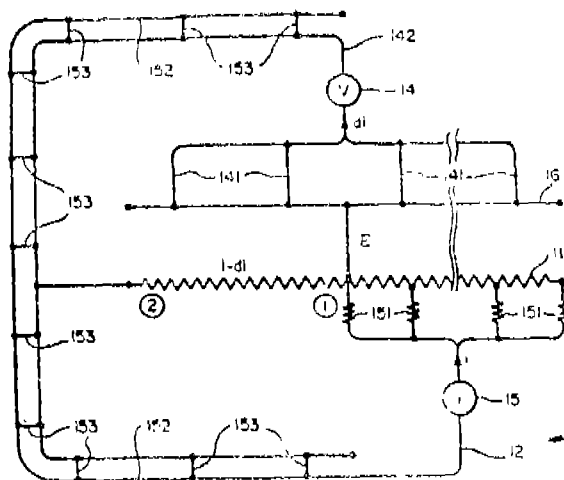
(F) a power source which is electrically connected to the second point on the locating member and which, when the event takes place, forms part of a reference circuit which comprises:

(a) at least part of the source member,

(b) that part of the locating member which lies between the first and second points, and

(c) the power source,

and in which reference circuit a current of known size is transmitted between the first and second points on the locating member.



Comp. Specn. 21 pages.

Drawgs 8 sheets.

Int. Cl.⁴ : H 01 M 2/06; 2/30.

165618

STORAGE BATTERY.

Applicant : YUASA BATTERY COMPANY LIMITED, A JAPANESE CORPORATION, OF 6-6 JOHSAICHO, TAKATSUKI CITY, OSAKA PREFECTURE, JAPAN.

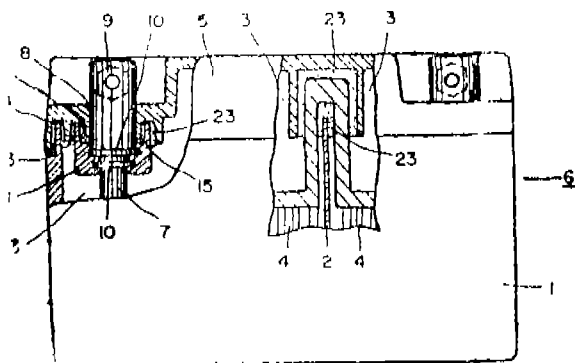
Inventor : YOSHICHIKA NAKAGAWA.

Application No. 469/Mas/85 filed June 25, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A storage battery comprising a container having positive and negative plates with respective terminal posts; the terminal posts having molded synthetic resin portions, and wherein the upper periphery of the container is bonded by an adhesive agent to the lower end of a cover and the upper end of the said molded synthetic resin portion is bonded to the lower end of the opening in the cover for the terminal posts.



(Comp.-9 pages; Drawgs.-1 sheet).

Int. Cl.⁴—H 01 M 2/06; 2/30.

165619

A STORAGE BATTERY HAVING AN IMPROVED TERMINAL STRUCTURE.

Applicant : YUASA BATTERY COMPANY LIMITED, A JAPANESE CORPORATION, OF 6-6 JOHSAICHO, TAKATSUKI CITY, OSAKA PREFECTURE, JAPAN.

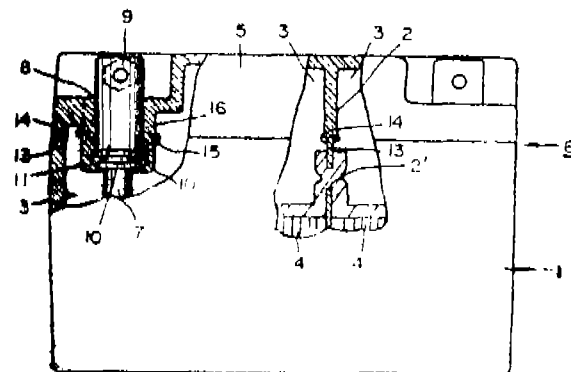
Inventor : YOSHICHIKA NAKAGAWA.

Application No. 470/MAS/85 filed June 25, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A storage battery having an improved terminal structure comprising a container and a cover with holes for terminal posts, said container having partitions accommodating positive and negative plates, being interconnected through the partition and having respective terminal posts, each terminal post having molded synthetic portions around it, the upper end of the container being fused with the lower end of the cover and the upper end of the molded synthetic resin portion is fused with the lower portion of the holes in the cover for the terminal posts.



Com. Specn. 8 pages

Drawgs 1 sheet.

Int. Cl.⁴ : A 24 B 3/14.

165620

A METHOD FOR DRY FORMING RECONSTITUTED TOBACCO.

Applicant : KIMBERLY-CLARK CORPORATION, OF 401 NORTH LAKE STREET, NEENAH, WISCONSIN 54956, UNITED STATES OF AMERICA, AN AMERICAN COMPANY.

Inventors : (1) WILLIAM AUGUST SELKE (2) WILLIAM FRANCIS CARTWRIGHT.

Application No. 528/MAS/85 filed July 11, 1985.

Convention date : May 23, 1985; (No. 482198; Canada).

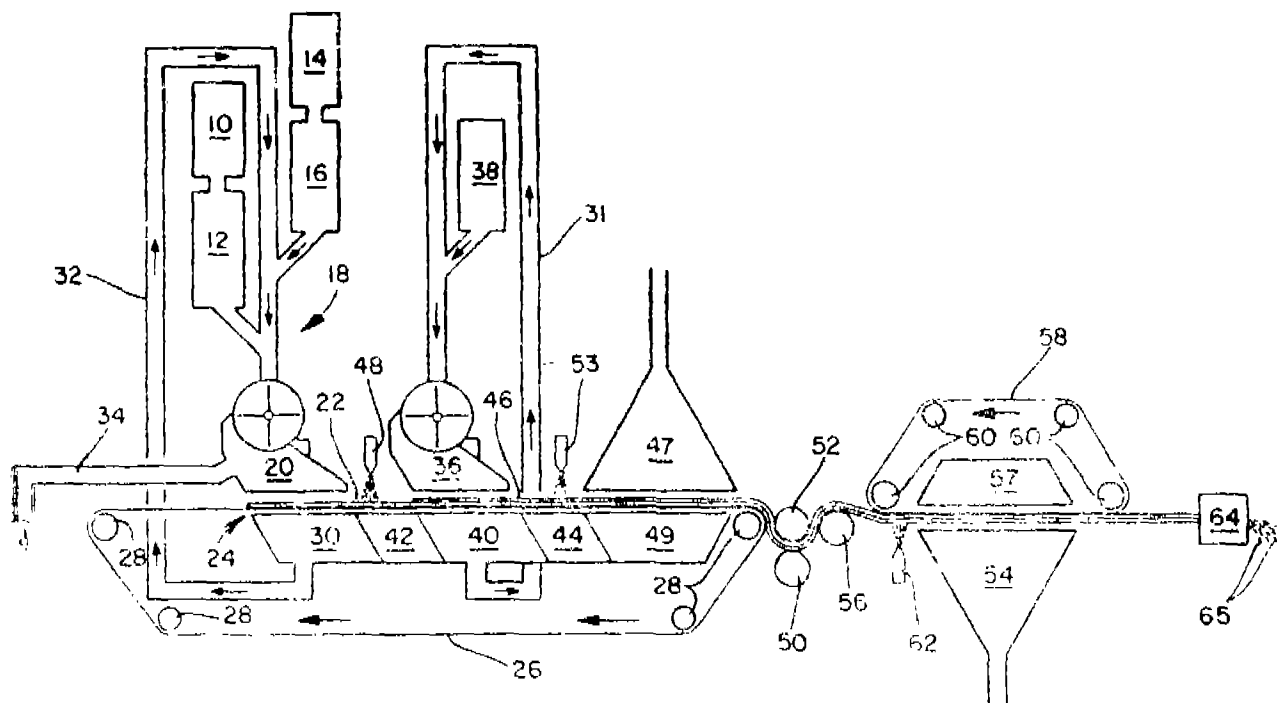
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A method of dry forming reconstituted tobacco comprising the steps of:

(a) providing tobacco particles;

- (b) entraining said tobacco particles in a gas medium;
- (c) directing said gas and entrained tobacco particles onto a moving foraminous carrier to form a web; and
- (d) adhesively bonding said web.



Com. Specn. 26 pages.

Dwrgs 2 sheets.

Ind. Cl. : 40F [IV (1)].

165621

Int. Cl. : B01J—8/10, 19/00.

Title : MANUFACTURING PROCESS IN WHICH CHEMICAL REACTION OF AT LEAST TWO REACTANTS IS EFFECTED IN A CAVITY TRANSFER MIXER.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventor : (1) RICHARD BARRIE EDWARDS AND (2) GRAEME NEIL IRVING.

Application No. : 80/BOM/86 Filed Mar. 4, 1986 U.K. Convention Date Mar. 8, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 CLAIMS

A manufacturing process in which chemical reaction of at least two reactants such as hereinbefore described is effected to obtain products as hereinbefore described characterised by supplying the reactants to apparatus having confronting surfaces with discrete close-ended cavities formed therein, moving the surface relatively one past the other, and passing the supplied material through the apparatus between the surfaces, and subjecting the material to substantially even shear during passage through the apparatus by passing the material repeatedly at an angle through a shear zone formed within the bulk of the material by the relative movement of the surfaces between which the material passes, the shear zone being formed in the material by temporarily entraining material in the close-ended cavities so that a velocity component of the material is altered by the relative movement of the surfaces during entrainment.

Comp. Specn. 23 pages.

Dwrgs. 5 sheets.

4-347 GI/89

Ind. Cl. : 170B×D [XLII/(4)].

165622

Int. Cl. : C11D—3/08.

Title : PROCESS OF PREPARING A BUILT DETERGENT PASTE.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : (1) JOHN STUART COTTRELL (2) IAN ROGER KFNRYON (3) PETER JAMES POWERS.

Application No. : 175/BOM/1986 filed on June 16, 1985 Convention Priority Date June 21, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

Process for preparing a built detergent paste comprising from 1% to 45% by weight of detergent active material such as hereinbefore described and from 1% to 50% by weight of detergent builder material such as hereinbefore described and having a viscosity in the range 5,000 to 20,000 poises characterised by generating in a manner such as hereinbefore described an alumino-silicate in situ during the manufacture of the detergent paste in an amount sufficient to stabilise the paste and which is at least 0.5% by weight of the total composition.

Comp. Specn. 11 pages.

Dwg. Nil

Int. Cl. : A 01 N-47/34, C 07 C-127/00. 165623

A PROCESS FOR THE PREPARATION OF AROYL UREAS FROM AROYLTHIOUREAS.

Applicant : SEARLE (INDIA) LIMITED OF 21-D SUKHADWALA MARG, BOMBAY-400 001, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : DR. KUPPUSWAMY NAGARAJAN (2) DR. SANJEEV MANOHAR GUPTA, (3) DR. KAITHATHU RAMAN RAMACHANDRAN & MRS. SHARADA JAGANNATH SHENOY.

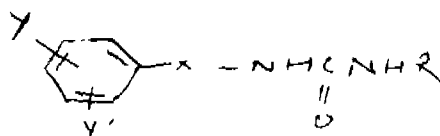
Application No. 204/Bom/1986 filed on July 24, 1986.

Complete after provisional left on October 23, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

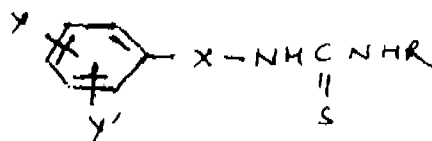
3 Claims

A process for the preparation of aroyl ureas of the Formula I



Formula I

wherein each of Y and Y' stands for hydrogen atom, halogen atom such as fluorine, chlorine, bromine or iodine, alkyl group such as methyl or ethyl, alkoxy group such as methoxy or ethoxy, trifluoromethyl group or nitro group, X is carbonyl group and R is alkyl group such as methyl, ethyl, propyl, pentyl, n-butyl or phenyl optionally substituted by one or more substituents such as any one of the atoms or groups mentioned for Y or Y' or cycloalkyl residue such as cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, said process comprises oxidising an aroyl thiourea of the formula II



Formula II

wherein Y, Y', X and R are defined above, with dimethyl sulphoxide in the presence of an inorganic acid catalyst such as herein described at 0°C to 100°C under stirring, if required, and recovering the aroyl urea of the formula I from the reaction mixture in a known manner such as herein described.

Provisional Specification 14 pages

Drg. 1 sheet.

Compl. Specn. 8 pages.

Drg. Nil

Ind. Cl. : 189 [IXVI(9)]

165624

Int. Cl. : A 61K-7/06.

A COMPOSITION SUITABLE FOR TOPICAL APPLICATION TO MAMMALIAN SKIN FOR PROMOTING OR ENHANCING THE GROWTH OF HAIR.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) JOHN ROBERT COUCHMAN & (2) WALTER THOMAS GIBSON.

Application No. : 214/BOM/1986 Filed July 30, 1986. U. K. Convention priority date August 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

25 Claims

A composition suitable for topical application to mammalian skin for promoting or enhancing the growth of hair comprising :

- (i) an effective amount of an esterified oligosaccharide containing at least one esterified disaccharide unit consisting of a uronic acid residue having the structure of formula 2(a) and a hexosamine residue having the structure of formula (2b) where

R' is C_n to C₁₀ alkyl or CH(CH₃)_nCH₃R'' is -H, C₁ to C₄ alkyl, -CO(CH₂)_m CH₃ or SO₂MR''' is -H, -CO(CH₂)_m CH₃ or -SO₂M

M is -H, or a metallic or organic cation

n is 0 or an integer of form 1 to 7

m is 0 or the integer 1 or 2.

The groups designated R' being the same or different, one R'' group from each pyranose ring structure being linked by a glycosidic linkage having the configuration -1, 3, -1,4; -1,3, or -1,4; and the -COOR', -CH₂OR'' and OR'' groups being of either configuration with respect to the pyranose rings;

- (ii) an activity enhancer, as herein defined; and
(iii) a cosmetically acceptable carrier.

Compl. Specn. 50 pages.

Drgs. 10 sheets

CLASS : 32 E [IX(1)]; 201 C [II(4)]

165625

Int. Cl. : B 01 J-41/00; C 02 F-1/42.

PROCESS FOR THE PREPARATION OF NOVEL POLYIODIDE RESIN FOR WATER TREATMENT.

Applicants : ION EXCHANGE (INDIA) LTD. THE TICON HOUSE, DR. E. MOSES ROAD MAHALAKMI, BOMBAY-400011, MAHARASHTRA, INDIA.

Inventors : (1) SUNIL KUMAR BHATTACHARYA & (2) DR. VIJAY SRIPAD KAMAT.

Application No. 250/Bom/1986 filed on September 4, 1986.

Complete after provisional left August 10, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

7 Claims

A process for the preparation of novel polyiodide resin for water treatment which comprises treating a solution of iodine with potassium iodide and thereafter mixing the product with a resin salt characterized by the improvement of carrying out the process in a plurality of stages where in each stage the iodine and potassium iodide are

used in required equivalent amounts to individually obtain potassium tri-iodide, and potassium penta-iodide followed by reacting the said individual iodides, and potassium iodide with said resin salt to obtain corresponding individual resin mono-iodide, resin-iodide and resin penta-iodide and thereafter subjecting any two or more of the said individual resin iodides to a mixing step to obtain a polyiodide resin.

Compl. Specn. 10 pages.

Drg. Nil

Provisional specn. 9 pages

Drg. Nil

Ind. Cl. : 154F GR. [XXXVII(1)]

165626

Int. Cl. : B41F—17/00, 33/00; B41J—3/00.

DEVICE FOR COOLING SERIAL PRINTER.

Applicant : SEIKOSHA CO. LTD., A COMPANY INCORPORATED IN JAPAN, OF 6-21, KYOBASHI 2-CHOME, CHUO-KU. TOKYO, JAPAN.

Inventor : AKIO TAJIMA & KIROYUKI SATO.

Application No. 251/Bom/86 filed on September 5, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims

A device for cooling a serial printer having a frame, a platen rotatably held to the frame, a pair of guide shafts fixedly mounted upon the frame, a carriage slidably supported upon the guide shafts, a printing head carried upon the carriage and provided with heat-dissipating fins, and a carriage motor mounted on one side of the frame for reciprocating the carriage, characterised in that a casing integrally formed with the said frame having at least one air intake port housing the said carriage motor, a fan rigidly mounted upon the output shaft of the said carriage motor; heat dissipating fins mounted upon the outer periphery of the said carriage motor, a wall member surrounding the fan and provided with an air exhaust port facing the said printing head.

Compl. Specn. 9 pages.

Drgs. 3 sheets.

Int. Cl. : E 21 F—17/18, G 01 L—1/00

165627

COMPUTERISED ROOF CAVING WARNING ALARM SYSTEM.

Applicant & Inventor : CHANDRADATT BHOLANATH NAVALKAR, AT 101/102. BLOCK 'A', HIGH WAY APARTMENT, STON, BOMBAY-400 022. MAHARASHTRA, INDIA.

Application No. 259/Bom 1986 filed on 17th September, 1986.

Complete after provisional left on 27th August, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

1 Claim

Computerised roof caving warning alarm system comprising of :

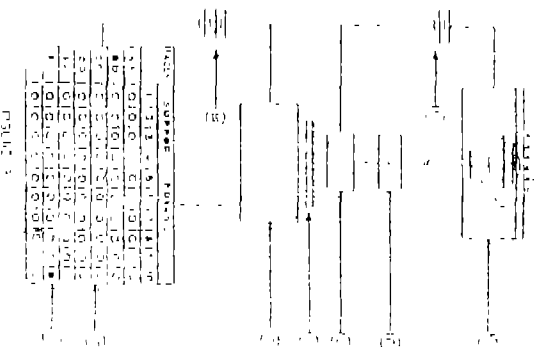
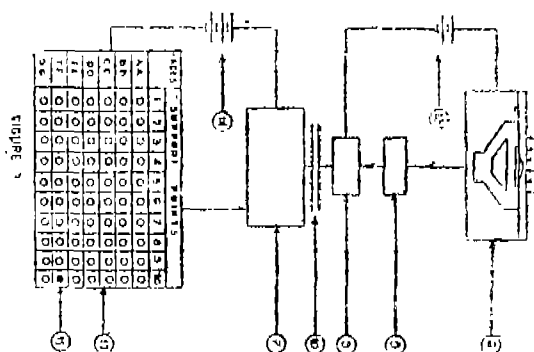
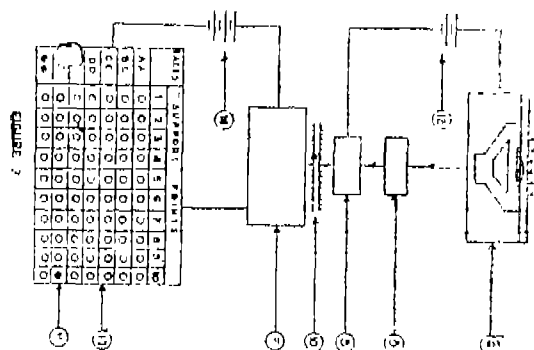
mpressive type load cell;

an amplifier connected to the output of the said cell; an Analog to Digital Converter connected to the output of the said amplifier;

the output of the said converter connected to the Radio Telemetry System;

a 8-bit Microprocessor Unit receiving the electrical signals corresponding to the roof pressure applied to the said cell the system is such that the microprocessor unit examines/compares the received signals with the present cross over limit value and activates the audio visual alarm provided on the panel/board in case the value of the received signal from the said load cell exceeds the said cross over limit value the said alarm is connected to the output of the said microprocessor unit;

indicating excessive roof pressure at that particular support point connected to the said load cell, thus giving prewarning of the caving in the roof at the said support point such as herein described and illustrated.



Compl. Specn. 7 pages.

Drgs. 2 sheets.

Provisional specification 3 pages.

Drg. Nil

Ind. Cl. : 170 B+D [XLIII(4)]

165628

Int. Cl. : C 11 D—1/02 + 10/04.

PROCESS FOR MAKING A DETERGENT COMPONENT SUITABLE FOR MANUFACTURING INTO A BAR COMPONENT.

Applicant : HINDUSTAN LEVER LIMITED, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) PHILIP RICHARD NORMAN EYMOND & (2) ANDREW TIMOTHY HIGHT.

Application No. 289/Bom/1986 filed on 15th October, 1986.

U.K. priority date 16th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

13 Claims

Process for making a detergent component suitable for manufacturing into a bar comprising :

- (a) neutralising a mixture of a fatty acid member selected from the group comprising fatty acids, fatty acid soap and mixtures thereof and a synthetic anionic detergent in acid from selected from the group comprising alkyl aryl sulphonic acids, alkyl sulphonic acids, aryl sulphonic acids, dialkyl sulphosuccinic acids and mixture thereof, the ratio of the fatty acid member to synthetic anionic detergent in acid from being at least 1 : 2 by admixing the mixture with an amount of alkali equal to at least the stoichiometric amount necessary to neutralise the mixture, the detergent component consisting essentially of the neutralised mixture; and optionally effecting one or both of the steps of;
- (b) admixing the product of step (a) with soap in a weight ratio of neutralised mixture to soap of greater than 1 : 4; and
- (c) forming a bar containing the product of step (a) or (b).

Compl. Specn. 23 pages.

Drgs. 8 sheets.

Int. Cl. : B21D—53/02, 53/08, F28F—1/00.

165629

AN IMPROVED PAIR OF DOUGHNUT AND DISC BAFFLES FOR USE IN SHELL AND TUBE HEAT EXCHANGER AND A SHELL AND TUBE HEAT EXCHANGER HAVING THE SAME.

Applicants : LARSEN & TOUBRO LIMITED, L & T HOUSE, BALLARD ESTATE, BOMBAY-400 038, MAHARASHTRA, INDIA.

Inventors : (1) MATHUR RAMASWAMY SHANKER AND (2) GAJANAN KRISHNAJI SADEKAR.

Application No. 121/Bom/1987 filed on April 3, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

3 Claims

An improved pair of doughnut and disc baffles for use in a shell and tube heat exchanger, wherein the doughnut baffle is provided with an axial opening for shell side fluid to flow therethrough and a circular peripheral profile corresponding to the inner diameter of the shell of said heat exchanger such that the periphery of said doughnut baffle rests or is self-supported on the inner side of said shell when said doughnut baffle is located in said shell, and the disc baffle is provided with a peripheral profile corresponding to the profile of said axial opening in said doughnut baffle and a plurality of spaced apart legs/projections peripherally, the peripheral line passing through the tips of said legs/projections being circular and corresponding to the inner diameter of said shell such that the tips of said legs/projections rest or are self supported on the inner side of said shell when said disc baffle is located in said shell, said baffles each being further provided with a plurality of spaced apart holes for tubes and tie-rods to pass therethrough.

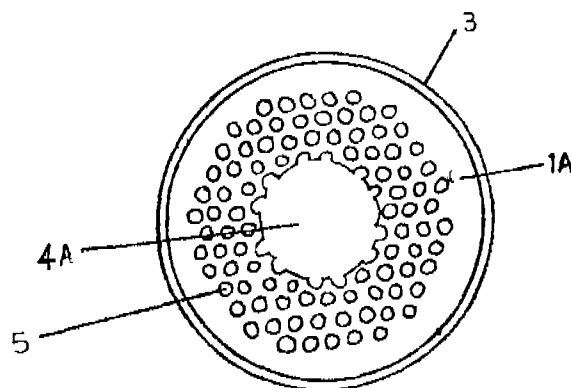


Figure 2A

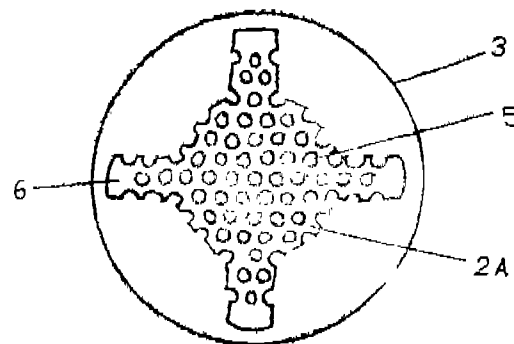


Figure 2B

Compl. Specn. 7 pages.

Drg. 1 sheet

Int. CLASS : C 13 D—1/06

165630

IMPROVEMENTS IN OR RELATING TO SUGAR CANE MILL.

Applicant : WALCHANDNAGAR INDUSTRIES LIMITED, CONSTRUCTION HOUSE, WALCHAND HIRACHAND MARG, BOMBAY-400 038, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventor : (1) KISHOR MAHADEO POLE, (2) BHAGAWAN SHANKAR DHAVALIKAR.

Application No. 290/Bom/1987 filed on 8th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

9 Claims

An improved sugar cane mill comprising :

a mill housing consisting of a pair of spaced apart upright frames fixed to the ground;

a feed roller a top roller and a discharge roller extending between said frames in a spaced apart relationship;

the axes of said feed roller, top roller and discharge roller being parallel to one another;

said mill including a trash plate disposed and extending between said feed roller and discharge roller;

said feed roller being rotatably supported in a first pair of bearings;

the housings of said first pair of bearings each being provided with a lateral lug at the bottom thereof towards the trash plate side, the trash plate side of the housings of said first pair of bearings being supported on the respective frames by at least one pair of first parallelogram link mechanisms;

the pivot axes of said first parallelogram link mechanisms being parallel to the axis of said feed roller;

said first parallelogram link mechanisms guiding the up and down movement of the housings of said first pair of bearings and the feed roller substantially linearly the housings of said first pair of bearing being supported on and moved up and down by a pair of first constant pressure imparting means accommodated in the respective frames;

said discharge roller being rotatably supported in a second pair of bearings, the trash plate side of the housings of the second pair of bearings being supported on the respective frames by at least one pair of second parallelogram link mechanisms;

the pivot axes of said second parallelogram link mechanisms being parallel to the axis of said discharge roller;

said second parallelogram link mechanism guiding the up and down movement of housings of said second

pair of bearings and the discharge roller substantially linearly the housings of said second pair of bearings being supported on and moved up and down by a pair of second constant pressure imparting means accommodated in the respective frames said top roller being rotatably supported in a third pair of bearings the housings of said third pair of bearings being mounted in said frames;

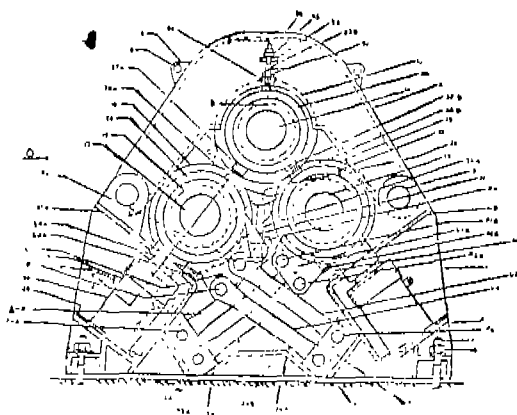
the drive end of said top roller being coupled to a prime mover such as steam turbine or electric or hydraulic motor through the tail bar and box coupling assembly and gearing the position of said top roller being fixed during operation of said mill;

said trash plate being pivotally supported on said lateral lugs and abutting said feed roller and biased towards said feed roller;

the axis passing through the pivots of said trash plate being parallel to the feed roller axis;

said trash plate being movable up and down with said feed roller maintaining the set scrapping contact with said feed roller and the orientation thereof with respect to the confronting top roller surface;

first stoppers being provided at the bottom of the housings of said third pair of bearings and at the confronting upper surface of the housings of said first pair of bearings and second pair of bearings to limit the upward movement of said feed roller and discharge roller and second stoppers being provided at the bottom of the housings of said first pair of bearings and said second pair of bearings and at the confronting surfaces of said frames to limit the downward movement of said feed roller and said discharge roller.



Compl. specn. 28 pages

Drg. 11 sheets

Int. CLASS⁴ : A 21 C 11/00

165631

APPARATUS FOR MAKING DOUGH PRODUCTS.

Applicant : ALKMAR PRODUCTS LIMITED, OF 12, CHILTERN HILLS ROAD, BEACONSFIELD, BUCKS, ENGLAND, A BRITISH COMPANY.

Inventor : PATRICK ARMSTRONG FINLAY.

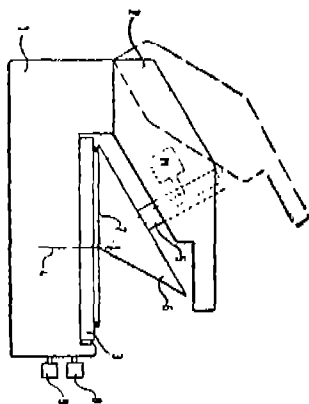
Application No. 630/Mas/85 filed August 13, 1985.

Convention date : August 14, 1984; (No. 8420629 United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

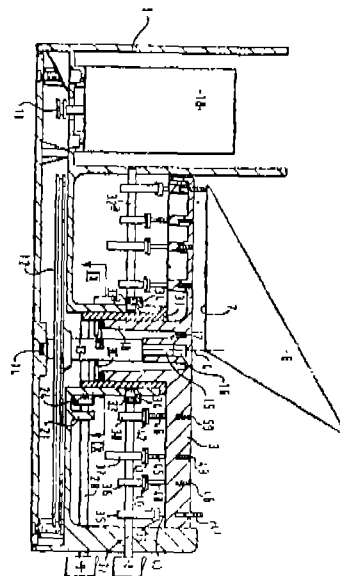
22 Claims

An apparatus for making a substantially circular dough product, said apparatus comprising :



means defining a planar surface, roller means adapted to cooperate with said planar surface and defining a rolling line in the region of the roller closest to said planar surface; and

means for effecting a relative movement between said rolling line and said planar surface in a rotational manner about an axis extending perpendicularly to said planar surface, with an associated rotation of said roller about its axis.



Compl. specn. 15 pages

Drgs. 3 sheets

Int. CLASS⁴ : F 04 B 1/16

165632

A PUMP.

Applicant : UNIVERSITI MALAYA, A MALAYSIAN BODY CORPORATE, OF LEMBAH PANTA, KUALAL LUMPUR 22-11, MALAYSIA.

Inventor : SING YAU GOH.

Application No. 633/Mas/85 filed August 14, 1985.

Convention date : August 17, 1984; (No. 8420909; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A pump comprising :

a riser pipe;

upper and lower piston assemblies fast on a common piston rod in the riser pipe, the lower piston assembly incorporating a one-way bypass;

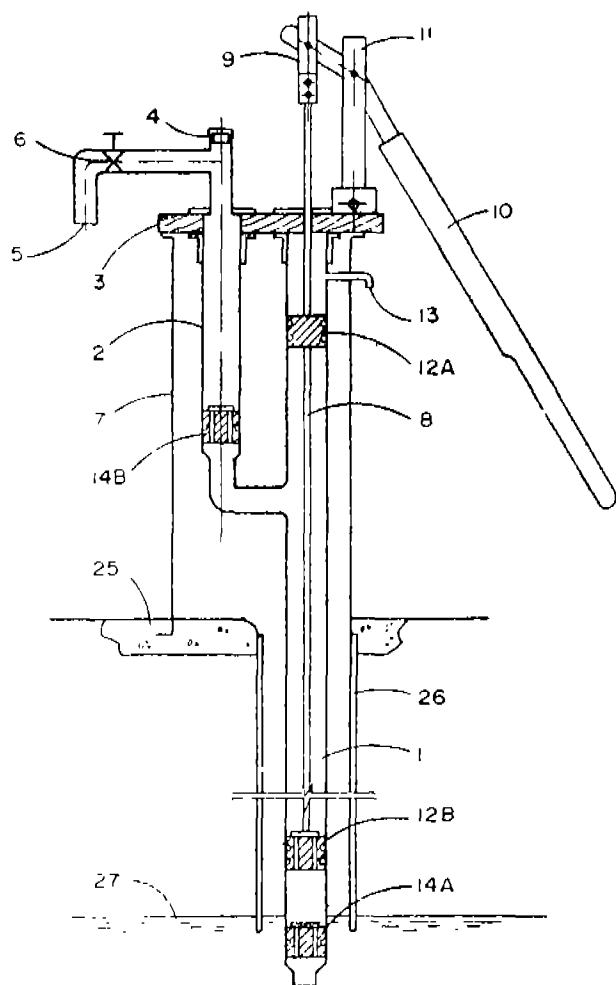
a delivery pipe branched off the riser pipe from a zone that is between the upper and lower piston assemblies;

a first one-way valve that is in the riser pipe below the lower piston assembly; and

a second one-way valve that is in the delivery pipe;

the one-way bypass in the lower piston assembly and the one-way valves being set to open and close as fluid is pumped such that on each upstroke of the piston assemblies the one-way bypass and the one-way valve in the delivery pipe are closed and the one-way valve in the riser pipe is open so that by the action of the lower piston assembly fluid is drawn into the riser pipe through the one-way valve therein, and such that on each downstroke of the piston assemblies the one-way bypass and the one-way valve in the delivery pipe are open and the one-way in the riser pipe is closed so that by the action of the upper piston assembly fluid

from the riser pipe is passed through the one-way valve in the delivery pipe to be delivered from this pipe.



Compl. specn. 3 pages

Drg. 4 sheets

Int. CLASS¹ : B 03 D 1/02

165633

A PROCESS FOR RECOVERING MINERAL VALUES FROM ORE.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors : (1) ROBERT D. HANSEN, (2) RICHARD R. KLIMPEL.

Application No. 663/Mas/85 filed August 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A process for recovering mineral values from ore, wherein 75 per cent or more of the ore comprises :

particles of a size of 75 micrometers or less;

wherein the ore, in the form of an aqueous pulp, is subjected to a floatation process in the presence of a floatation collector and a floatation frother;

characterised in that the frother comprises the reaction product of a polyhydroxy alkane having from 1 to 20 carbon atoms or a polyhydroxy cycloalkane having from 3 to 20 carbon atoms and propylene oxide, or mixture of propylene oxide and ethylene oxide, with the proviso that at least 50 mole per cent of the mixture is propylene oxide, wherein the reaction product has a molecular weight of from 150 to 1400, wherein the frother is added in an amount of from 0.005 to 0.05 kg per metric ton of ore.

Compl. specn. 25 pages

Drg. 1 sheet

Int. Cl.⁴ : H 05 B 3/10.

165634

AN ELECTRICAL HEATING DEVICE.

Applicant : RAYCHEM CORPORATION, A CORPORATION ORGANISED ACCORDING TO THE LAWS OF THE STATE OF CALIFORNIA, U.S.A., OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

Inventors : (1) BATLIWALLA NEVILLE S., (2) JONES MICHAEL CHARLES, (3) OSWAL RAVINDER K., (4) SHAFF JEFF.

Application No. 671/Mas/85 filed August 28, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

An electrical heating device which comprises :

- (1) a resistive element composed of a first conductive material which has a resistivity at 23° C of 1 to 500,000 ohm. cm;
- (2) a contact layer which is a layer which is directly bonded to a surface of the resistive element, and is composed of a second conductive material having a resistivity at 23° C which is from 10^{-6} to 10^{-3} ohm. cm and which is at least 20 times less than the resistivity at 23° C of the first conductive material;
- (3) at least one further member which is composed of a third conductive material having a resistivity at 23° C which is less than the resistivity at 23° C of the second material, said further member being in direct physical contact with the contact layer and being maintained in such contact substantially only by means of pressure over a connection area which is at least 0.5 inch² in area or which has at least one dimension greater than 1 inch, and
- (4) means for connecting the device to a source of electrical power.

the components of the device being positioned such that when the device is connected to a source of electrical power an electrical path exists from the further member to the resistive element, through the contact layer.

Compl. specn. 32 pages.

Drgs. 3 sheets

Int. Cl.⁴ : B 62 L 3/02.

165635

BRAKE SYSTEM FOR CYCLES.

Applicant & Inventor : MASATARO SATO, A CITIZEN OF JAPAN, OF 191-BANCHI, OOAZA IKENOBE, MIKICHO, KITA-GUN, KAGAWA-KEN, JAPAN.

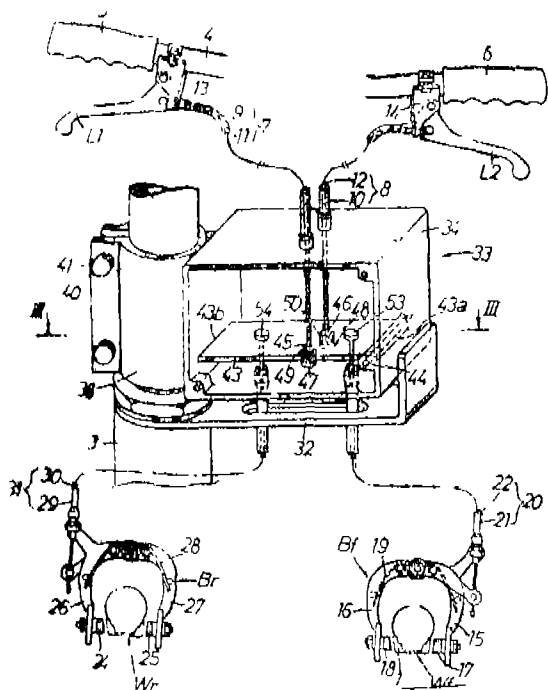
Application No. 697/Mas/85 filed September 6, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A brake system for cycles, comprising :

- a front wheel brake mounted at a front wheel, a rear wheel brake mounted at a rear wheel, and a first brake lever and a second brake lever disposed at opposite ends of a handle-bar of the cycle, respectively wherein the brake system further comprises a pivotally movable plate contained in a casing fixedly secured to a vehicle body frame, said plate having a base end pivotally supported on said casing.
- a pair of first transmitting cables, one end of the said cables being connected separately, to the first and second brake levers and the other end thereof being engaged with said pivotally movable plate respectively;
- a second transmitting cable for the front wheel which has one end thereof connected to the front wheel brake its other end being connected to said pivotally movable plate at a position closer to the base end of the plate than the first transmitting cable and from the side of the plate opposite to the side of connection of said first transmitting cables to the plate; and
- a second transmitting cable for the rear wheel which has one end thereof connected to the rear brake and its other end connected to said plate at a position closer to the fore end of the plate than the first transmitting cables and from the same side of the plate as the second transmitting cable for the front wheel.



Compl. specn. 12 pages.

Drgs. 2 sheets

Int. Cl.⁴ : G 01 N 19/02.

165636

A DEVICE TO DETERMINE THE COEFFICIENT OF FRICTION OF ROLLERS OR IDLERS.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY I. I. T. P. O., MADRAS-600 036, TAMIL NADU, INDIA. AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA, UNDER AN ACT OF PARLIAMENT.

Inventors : (1) DR. KOLISETTI RAMAKOTESWARA RAO, (2) PROF. MANJERI ANATRAM PARAMESWARAN, (3) DR. MEDISETTI MADHUSUDANA RAO.

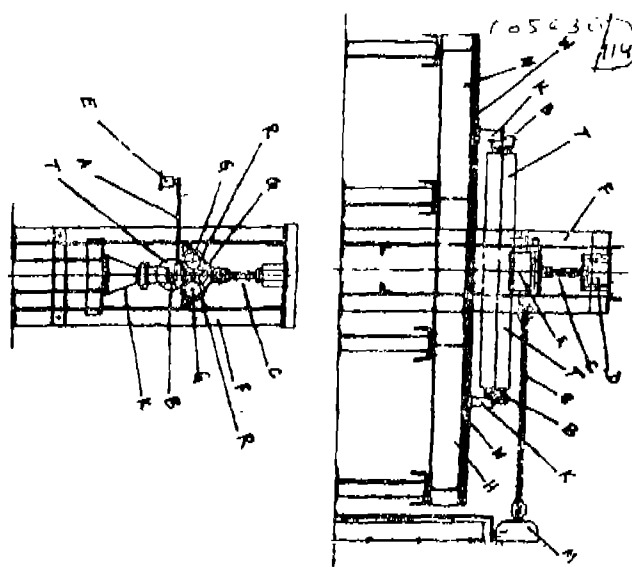
Application No. 757/Mas/85 filed September 27, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A device for determining the coefficient of friction of idlers or rollers comprising :

- a pair of guide ways disposed on a bed with movable mountings fixable in the desired positions on the bed, the mountings carrying knife edge bearings for freely supporting the end shafts of a test idler or roller thereon;
- a pair of loading rollers urged against the test idler or roller and driven by a prime mover to rotatably drive the test idler or roller at the desired speed, the loading rollers being mounted in a turnbuckle frame for imparting the desired load on to the test idler or roller; and
- a lever arm one end of which is connected to at least one of the end shafts, the other end of the lever arm being disposed on a transducer or load cell, whereby the frictional torque produced at the end shafts during rotation of the test idler or roller under load is transmitted through the lever arm to the transducer or load cell to be measured thereat, to thus determine the coefficient of friction.



Compl. specn. 7 pages.

Drg. 1 sheet

Int. Cl.⁴ : H 01 H 71/70.

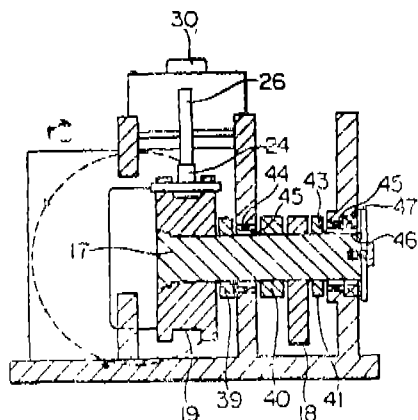
165637

"SPRING-TYPE OPERATING MECHANISM FOR A CIRCUIT INTERRUPTER".

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI, 2-CHOME, CHIYODA-KU, TOKYO, JAPAN, A JURIDICAL PERSON ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN.

Inventor : KIYOSHI YABE.

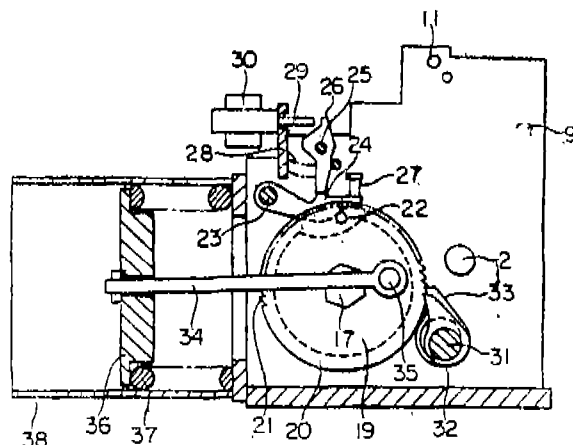
Application No. 767/Mas/85 filed October 1, 1985.



Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A spring operating mechanism for a circuit interrupter in which a rotational force of an electric motor causes a pawl to be rocked to rotate a ratchet wheel securely mounted to a main shaft to charge the closing spring, and a charged energy of the closing spring is used for the closing and the tripping of the circuit interrupter, characterised in that said main shaft is provided with a one-way rotary clutch.



Compl. specn. 11 pages.

Drgs. 4 sheets

Int. Cl.⁴ : A 01 G 25/02.

165638

A DISPOSABLE DRIP IRRIGATION SYSTEM.

Applicant : ENICHEM AGRICOLTURA S.p.A., A COMPANY ORGANIZED UNDER THE LAWS OF THE ITALIAN REPUBLIC, OF VIA RUGGERO SETTIMO, 55 PALERMO, ITALY.

Inventors : (1)AUGUSTO FABBRI, (2) ALDINO RIVI,

Application No. 795/Mas/85 filed October 9, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

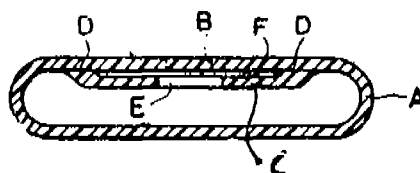
A disposable drip irrigation system for localized distribution of water, comprising :

A flexible hose for receiving pressurized water, said hose having a plurality of outlet apertures spaced equidistant from each other and extending along the length of said hose;

a plurality of flexible membranes arranged within said hose to cover said outlet apertures, said membranes being attached along its entire periphery to the inner wall of said hose in generally spaced relation thereto so as to define a relatively narrow water passageway as compared to that defined by said flexible hose;

at least one slot in each of said membranes oriented in staggered relationship to said outlet apertures and being of an area so as to provide a sufficient pressure drop across said membrane to effectuate a collapse

and adherence of said membrane to the inner wall of said hose when pressurised water is fed to said hose.



Compl. specn. 9 pages.

Drg. 1 sheet

Int. Cl.⁴ : F 16 S 1/00.

165639

AN INTERLOCKING STRUCTURAL MEMBER ASSEMBLY.

Applicant : REVANNA MANJUNATH OF FABRICANA, 38/4, 8TH F MAIN ROAD, III BLOCK, JAYANAGAR, BANGALORE-560 011. KARNATAKA, INDIA, INDIAN NATIONAL.

Inventor : J. A. PANCHAL.

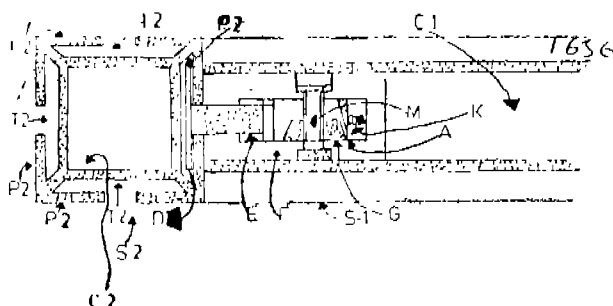
Application No. 816/Mas/85 filed October 16, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An interlocking structural member assembly comprising :

- a first structural member having a channel surrounded by at least one spaced side plate attached to the channel, the side plate having a slot running along its length;
- a fastening member forming a pushfit in the channel and having a flange disposed outside the body of the said fastening member, the said body remaining flush with the mouth of the channel with the flange protruding beyond the said mouth, the flange having a spring-loaded shaft disposed inside the body, the said shaft accommodating a cam threadedly engaging with a stud and resting against a tapered portion of the shaft, the head of the stud being exposed through a lateral hole on the channel, whereby, on manual rotation of the stud, the flange is linearly movable in either of two opposing directions with respect to the body, to clamp itself to, or unclamp itself from the slotted side plate of a second like structural member.



Compl. specn. 8 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 05 G 1/00.

165640

A PROCESS FOR THE MANUFACTURE OF NK FERTILISER.

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD., 97, MOUNT ROAD, MADRAS-600 032, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor : MAGALINGAM PILLAI SUBRAMONIA PILLAI.

Application No. 842/Mas/85 filed October 25, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for the manufacture of NK fertiliser comprising :

the steps of adding about 43% to 59% by weight of powdered urea to about 33% to 45% by weight of commercial potassium chloride and granulating the same in the presence of 5%—15% by weight of water;

drying the resultant and sieving the same to obtain granules of size $-4 + 18$ B. S. S. mesh with nitrogen and K_2O content each of about 20%—27%.

Compl. specn. 6 pages.

Drg. Nil

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 160930. Anil & Company, Sadar Bazar, Delhi-110006, India, An Indian Proprietorship Concern. "Incandescent Lantern (Patromax Lantern)". 28th April, 1989.
- Class 1. 160932. The Colchester Lathe Company Limited, a British company of Hythe Station Road, Colchester, CO2 81E, Great Britain. a "LATHE". Reciprocity date is 31st March, 1989 (U.K.).
- Class 1. No. 160938. Partecipazioni Bulgari S.P.A., an Italian Company of No. 5, Via Gregoriana-00187 ROMA, Italy. "Tea Service Consisting of tea pot Coffee pot, Sugar Bowl, Milk Jug and Salver". 1st May, 1989.
- Class 1. No. 160995. Hearhill Australia Pty Ltd., of 368 pascoe Vale Road, North Essendon, Victoria 3401, Australia. "Hauling Eye" for attachment to end of Cables. 17th May, 1989.
- Class 1. No. 161113. The Jay Engineering Works Limited, of 23, Kasturba Gandhi Marg, New Delhi-110001, India, an Indian Company. "Disc for Fan guard of a table fan". 28th June, 1989.
- Class 1. Nos. 161224 & 161225. Choksons Private Ltd., an Indian company, of Saki Vihar Road, P.O. Box 843, Powai, Bombay-400072, Maharashtra, India, and also at Tavawala Building, Pathak Wadi, Bombay-400002, Maharashtra, India. "Switchfuse". 26th July, 1989.
- Class 3. Nos. 160721 & 160722. Maxque Industries, No. 17, 1st Main, 1st Block, Koramangla, Bangalore-560 034, Karnataka State, India an Indian Company. "Container". 14th February, 1989.
- Class 3. No. 160842. Konus, Kemijska In Usnjarska Predelovalna Industrija N. SOL, O., a Yugoslavian body corporate, Titov trg 17, 63210 Slovenske Konjice, Yugoslavia. "Perforated plate Cellulose Pulp". 29th March, 1989.
- Class 3. No. 160896. Splendour Presentations, C-23, Connaught Place, New Delhi-110001 (India) an Indian Partnership concern. "Desk Conference Folder". 20th April, 1989.
- Class 3. No. 160897. Globe Stationers, C-23, Connaught Place, New Delhi-110001, (India) and Indian Partnership concern. "Desk Conference Folder". 20th April, 1989.
- Class 3. Nos. 160901, 160903, 160904, 160905, 160908 & 160912. Metro Tyres Limited, B-27, Focal Point, Ludhiana-10, (Punjab), India (An Indian Company duly registered under the Companies Act, 1956) of the above address. "tyres". 20th April, 1989.
- Class 3. No. 161060. Solar Wide Industrial Limited, A Limited Company incorporated under the laws of Hong Kong, Suite 911, Tower-1 Silvercord, 30-Canton Road, Tsimshatsui, Kowloon, HONG KONG. "Ultrasonic Distance Estimator". Reciprocity date is 1st June, 1989 (U.K.).
- Class 3. No. 161077. Lakme Limited, of Bombay House, Horni Medi Street, Bombay-400001, Maharashtra State, India, an Indian Company. a Collapsible Dispenser for Viscous cosmetics or the like (with cap). 14th June, 1989.

- Class 3.** No. 161081. Rohit Petro-Pack Private Limited, A company registered in India, Vyas Bhavan, 1st Floor, 16, Old Hanuman 2nd Cross Lane, Kalbadevi Road, Bombay-400 002, State of Maharashtra, India, an Indian company duly registered of the above address. "A Container or Barrel". 16th June, 1989.
- Class 3.** No. 161094. Ambitious Gold Nib Mfg. Co. (Private) Limited, C-101-phase-II, Mayapuri, New Delhi-110064, India. An Indian Company. "PEN". 19th June, 1989.
- Class 3.** No. 161178. Freemans Measures Private Limited, Ferozepore Road, Ludhiana-141001, State of Punjab, India. "Measure Tape Case". 11th July, 1989.
- Class 3.** Nos. 161233, 161237 & 161238. Eagle Flask Industries Pvt. Ltd., (an Indian Company) at Eagle Estate, Talegaon-410 507, District-Pune, State of Maharashtra, India. "Flask". 31st July, 1989.
- Class 3.** Nos. 161239 to 161241. Eagle Flask Industries Pvt. Ltd., (an Indian Company) at Eagle Estate, Talegaon 410 507, District-Pune, State of Maharashtra, India. "Casserole". 31st July, 1989.
- Class 3.** No. 161242. Eagle Flask Industries Pvt. Ltd., (an Indian Company) at Eagle Estate, Talegaon 410 507, District-Pune, State of Maharashtra, India. "Lunch Box". 31st July, 1989.
- Class 3.** No. 160924. Paradise Power Cables (P) Ltd. 210, Mahavir Bhavan, Karam Pura, New Delhi Provisions of Indian Companies Act, 1956 of the above address. "Water Tank". 25th April, 1989.
- Class 4.** No. 160843. Konus, Kemijska in Usnjarska Predelovalna Industrija N. Sol. O., an Yugoslavian body corporate, of Titov trg 17, 63210 Slovenske Konjice, Yugoslavia. Perforated Plate for carrying paper or Cellulose pulp". 29th March, 1989.

Class 10. Nos. 160962 & 160964. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "The footwear". 3rd May, 1989.

Class 12. No. 161101. Smt. Rajni Oberoi (Indian National) Proprietor of M/s. Cameo Internationale (India), a Sole-Proprietary firm, whose address is Shop No. 1, Plot No. 6, Dr. Ambedkar Nagar, Basti Nau, Jalandhar (Punjab State), (India). "The Turf Ball". 20th June, 1989.

Copyright Extended for the Second Period of five years.
Nos. 154534, 158198, 151828, 151830, 151829,

154245	Class-1.
Nos. 153910, 154287, 154286, 154285.	Class-3.
No. 154387.	Class-4.
Nos. 158879, 158499, 158281.	Class-5.

Copyright Extended for the Third Period of five years.

No. 158198.	Class-1.
No. 149617.	Class-4.
Nos. 158879, 158499, 158281.	Class-5.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks

